INSTALLATION INSTRUCTIONS AND OWNER'S MANUAL

idrive® for TORQUEMASTER®

Models: 3726-372/ 3740-372/ 3760-372/ 3663-372
Installation Instructions
and Owner's Manual

USE OF THIS MANUAL

WHEN INSTALLING A NEW DOOR WITH THE OPENER:
Complete the door installation first using the instructions provided with the door (which includes assembling the opener on the Torquemaster® tube), then proceed with these instructions beginning with Step 25 on page 13.

IMPORTANT NOTICE!

Read the enclosed instructions carefully before installing/operating this garage door opener. Pay close attention to all warnings and notes. This manual MUST be attached to the wall in close proximity to the garage door opener.

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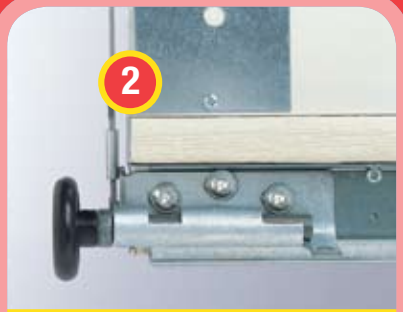
Part No. 320687

Wayne® Dalton
GARAGE DOORS & OPENERS

Rev 3 6/6/2006

HOW idrive WORKS

idrive mounts to the counterbalance above door.

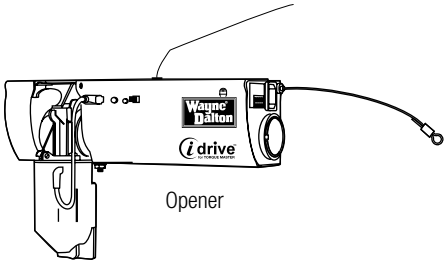


Lift cables raise door from bottom.

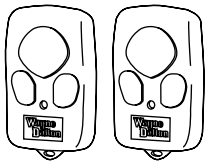
Security arm manually locks closed door.

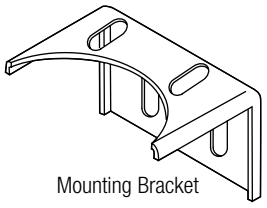
MOUNTS ON THE WALL INSTEAD OF CLUTTERING THE CEILING

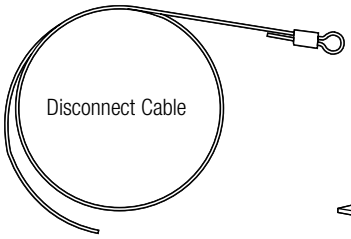
Package Contents

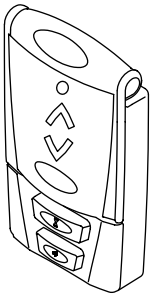


Opener

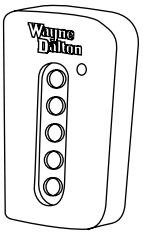

Keychain/Visor Transmitter (2)


Mounting Bracket

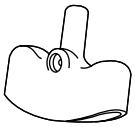

Disconnect Cable

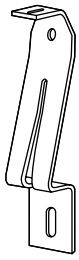

Wall Station

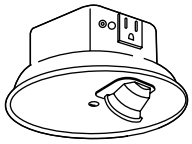
Entrapment Label



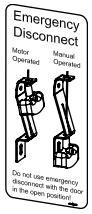
5 Button Wireless Keyless Entry

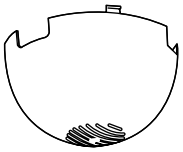

Disconnect Handle

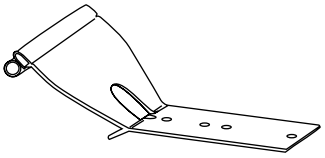

Disconnect Handle Bracket



"S" Hook


Emergency Disconnect
Motor Operated
Manual Operated
Do not use emergency disconnect with the door in the open position!
Emergency Disconnect Label


Security Light with Diffuser

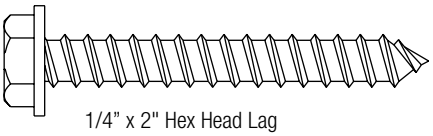

Lock Arm Assembly

Cable Clips (2)

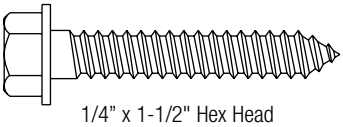
Owner's Manual

Jumper (Optional for Safety Sensors)

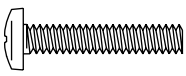
Installation DVD

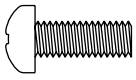

1/4" x 2" Hex Head Lag Screws (2)

#6 x 7/8" Phillips Pan Head Screws (4)


1/4" x 1-1/2" Hex Head Lag Screws (4)

#6-20 x 1/2" Phillips Pan Head Screw (1)


#6-32 x 3/4" Phillips Pan Head Screw (1) (For Light Fixture)


5mm x .8mm x 12mm Phillips Pan Head Screw (1) (For Lock Arm)

PRE-INSTALLATION INSPECTION OF YOUR GARAGE DOOR PRIOR TO TORQUEMASTER® IDRIVE® INSTALLATION

Congratulations, you have just purchased one of the world's safest garage door openers! By design, this opener will detect obstructions and reverse rather than force the door through obstructions. To ensure your new idrive® opener works as intended, your garage door must be installed and balanced properly.

WHEN INSTALLING A NEW DOOR WITH THE OPENER:
Complete the door installation first using the instructions provided with the door (which includes assembling the opener on the Torquemaster® tube), then proceed with these instructions beginning with Step 25 on page 13.

WHEN INSTALLING AN OPENER ON AN EXISTING DOOR WITH TORQUEMASTER®:
Before installing your garage door opener, open and close you door manually to ensure that it operates smoothly from top to bottom. A properly balanced door should not take a lot of effort to open or close by hand. The door should stay in the open and in the closed position without effort. If a door opens fast going up, the door may need spring tension reduced. If the door drops fast going down, the door may need spring tension increased.

If the door operates properly, check and record your Torquemaster® counterbalance spring settings. Then proceed with the unwinding of the spring(s) for installation of your idrive®, carefully following the instructions in STEP1 of your idrive® Installation Instructions and Owner's Manual. After the idrive® is installed on the tube, rewind the Torquemaster® to the previous settings.

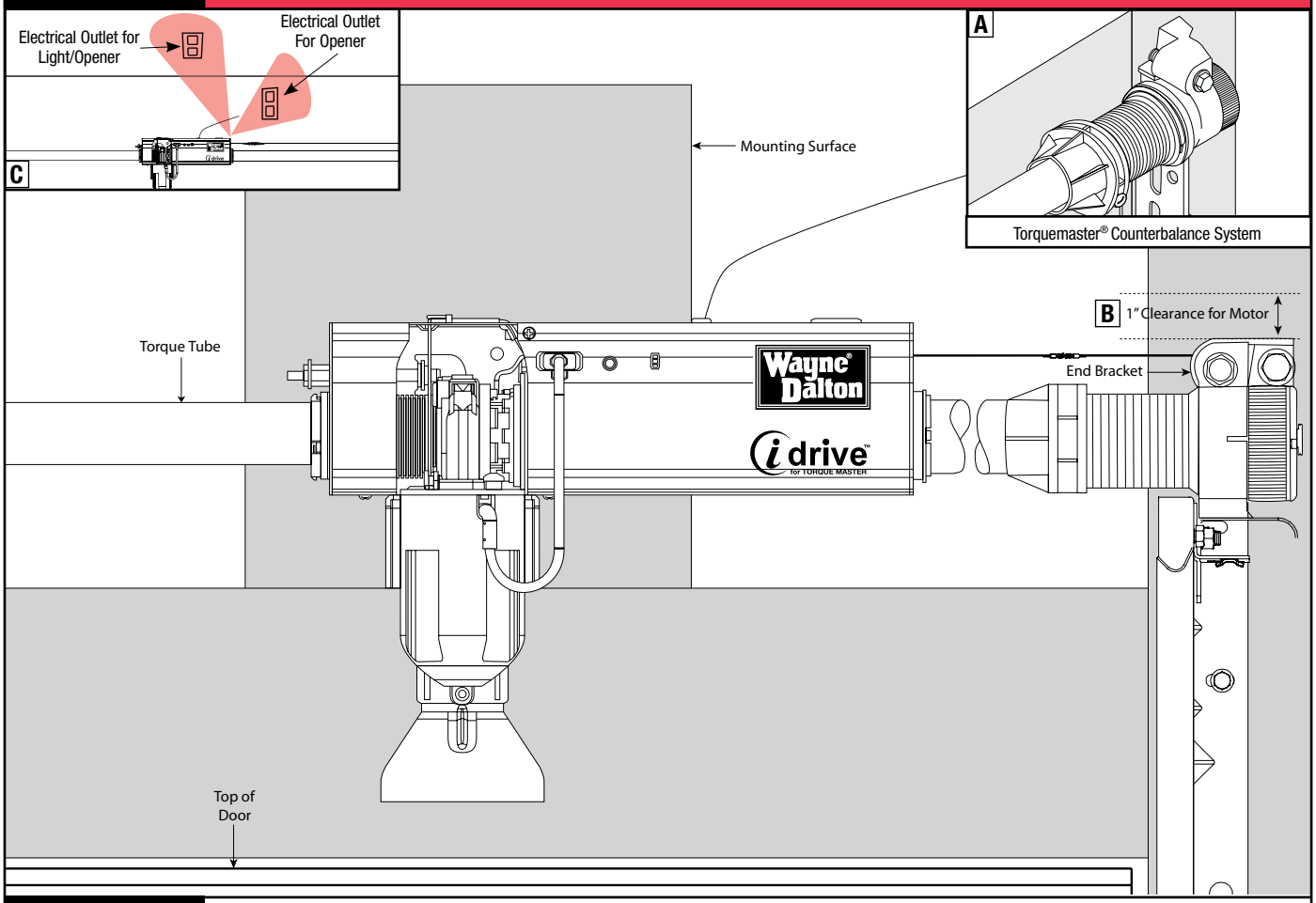
If the operation of the door does not meet these criteria, you need to adjust the spring balance per your door's installation manual or call a professional installer to make adjustments before installing idrive®.

Instruction manuals are available for download on **www.wayne-dalton.com**. Use the web site to also find the location of your nearest professional dealer.

Once the door is properly balanced and operates smoothly, you may proceed with the installation of your idrive® garage door opener.

PRE-INSTALLATION INSPECTION

CAUTION! Do not install this Opener on your door unless the following requirements are met.



Pre-Installation Inspection

CAUTION: DO NOT INSTALL THIS OPENER ON YOUR DOOR UNLESS THE FOLLOWING REQUIREMENTS ARE MET. USE THE ILLUSTRATION ABOVE AS A VISUAL AID.

A. You must have a Wayne-Dalton Torquemaster® counterbalance system to install this opener (see A above).

B. The Motor requires 1" of clearance above the top of the End Bracket.

C. Two electrical outlets are recommended for the idrive® installation. One of these outlets needs to be located less than 6' from the opener. The second outlet, for the light, can be located at a position of your choice.

If, in the event that an electrical outlet is not located within 6' of the opener, contact a local electrician for further options. As a convenience, an electrical outlet is provided on the Light Fixture.

D. Your door must not exceed 8' in height.

E. The idrive® Opener will only work on sectional doors. Do not install on one-piece doors.

F. Your garage door must be properly balanced (door must not be heavy to lift, nor lift by itself).

G. Horizontal Tracks should be pitched 1" above level at rear of Track.

H. We do not recommend installing the idrive® Opener on Model 9700 door widths of 16' - 18'.

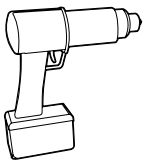
I. Maximum door weight (without spring tension) must not exceed 225 lb.

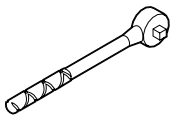
System Requirements

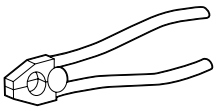
CAUTION TO REDUCE THE RISK OF INJURY, USE THIS OPENER ONLY WITH THE FOLLOWING DOOR SYSTEMS:

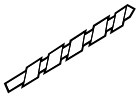
WAYNE-DALTON DOOR MODEL	WAYNE-DALTON SPRING SYSTEM	TRACK (RADIUS)	PHOTOELECTRIC SAFETY SENSORS	LOW HEAD ROOM KIT
9000 SERIES	Torquemaster®	10",12",14",15"	Not Required	Not Required
9000 SERIES	Torquemaster®	6" Low Head Room	Not Required	P/N 302883 Required
8000 SERIES	Torquemaster®	10",12",14",15"	P/N's 252118 or 301674 Required	Not Required
8000 SERIES	Torquemaster®	6" Low Head Room	P/N's 252118 or 301674 Required	P/N 302883 Required

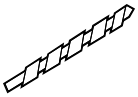
Tools Needed

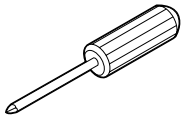

Power Drill


Ratchet Wrench

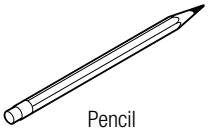

Pliers/Wire Cutters

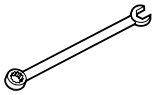

3/32" Drill Bit

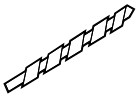

3/16" Drill Bit

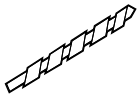

Phillips Head Screwdriver

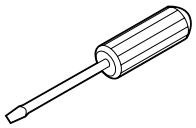
7/16" Socket

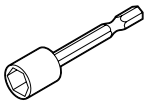

Pencil

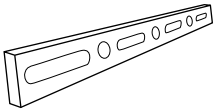

7/16" Wrench

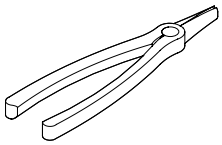

1/8" Drill Bit

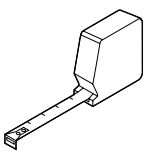

5/64" Drill Bit

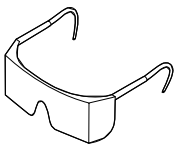

Flat Tip Screwdriver

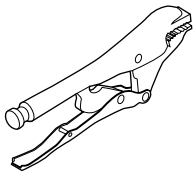

7/16" Socket Driver

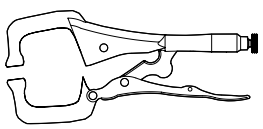

Level

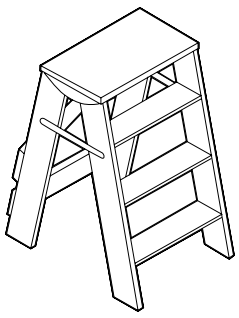

Needle Nose Pliers


Tape Measure


Safety Glasses


Locking Pliers


Vice Clamps


Step Ladder

 Please Do Not Return This Product To The Store. Call Us Directly! Our Trained Technicians Will Answer Your Questions and/or Ship Any Parts You May Need. You can reach us Toll Free at **1-888-827-3667** for Consumer Assistance or online at **www.wayne-dalton.com**

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⚠WARNING

INCORRECT INSTALLATION CAN LEAD TO SEVERE OR FATAL INJURY. FOLLOW THESE INSTRUCTIONS CAREFULLY.

IMPORTANT SAFETY INSTRUCTIONS

1. **READ AND FOLLOW ALL INSTALLATION INSTRUCTIONS.**
2. Do not connect the Opener to electrical power until instructed to do so.
3. Install the Entrapment Warning Label next to the Wall Station in a prominent location. Install the Emergency Disconnect Label next to the Emergency Disconnect.
4. Remove all ropes and remove, or make inoperative in the unlocked position, all locks connected to the garage door before installing the Opener.
5. Do not wear rings, watches or loose clothing when installing or servicing a garage door system.
6. It is important that you install all the components supplied with the idrive® Opener, i.e., Wall Stations, Safety Sensors, etc. Use of parts not supplied by Wayne-Dalton Corp. may cause the Opener to malfunction and create unsafe conditions.
7. Wear safety glasses for eye protection when installing or servicing the Opener or door.
8. Install Opener on a properly balanced and operating garage door. Have a qualified service person make adjustments/repairs to cables, spring assemblies, and other hardware before installing the Opener. An improperly balanced door could cause severe injury.
9. Where possible, install the Opener seven feet or more above the floor. Mount the Emergency Disconnect six feet above the floor.
10. Locate the Wall Station: (a) within sight of door, (b) at a minimum height of five feet, so small children cannot reach it, and (c) away from all moving parts of the door.
11. After installing the Opener, the door must reverse when it contacts a 1-1/2" high object (or 2 x 4 board laid flat) on the floor.
12. Installation and wiring must comply with local building and electrical codes. Connect the Power Cord to a properly grounded outlet. Do not remove the ground pin from Power Cord.

AFTER INSTALLATION IS COMPLETE, FASTEN THIS MANUAL NEAR GARAGE DOOR. PERFORM MONTHLY OBSTRUCTION TEST AND MAINTENANCE AS RECOMMENDED. SEE PAGES 24, 25 AND 32.

INSTALLATION NOTICE: If installing this idrive® Opener on a door currently installed with a Torquemaster® counterbalance system, start installation on Step: 1 below. If Installing this idrive® Opener as part of a new door installation, complete the door installation first (using instructions supplied with the door), then proceed to Step: 25 on page 13, of this manual, for the remaining Opener installation procedures.

1

Retro-Fit Installation

Spring Tension Removal

Tools Needed:

7/16" Wrench

Power Drill

7/16" Socket Driver

Step Ladder

⚠WARNING

COUNTERBALANCE SPRING TENSION MUST BE RELIEVED BEFORE REMOVING ANY HARDWARE. A POWERFUL SPRING RELEASING ITS ENERGY SUDDENLY CAN CAUSE SEVERE, EVEN FATAL INJURY.

Place door in the fully closed position and remove Drum Wraps from Cable Drums (if installed).

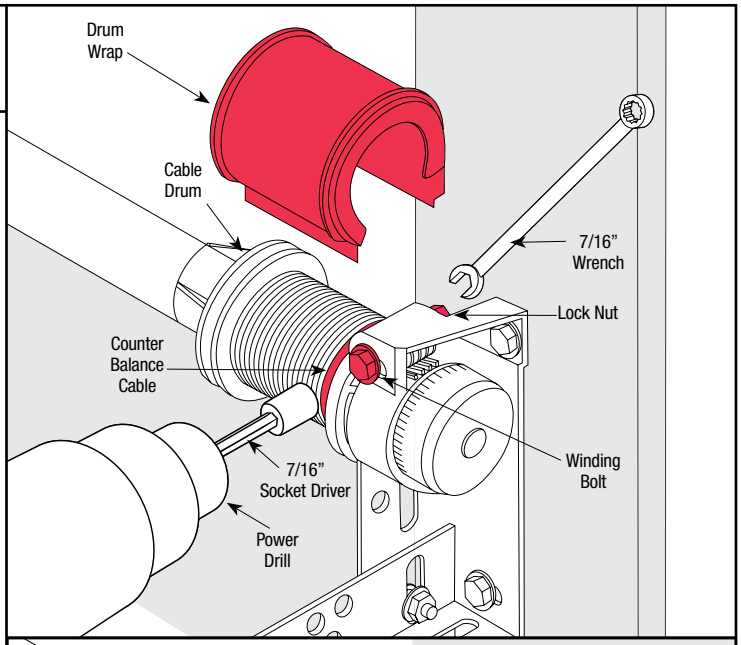
Using a 7/16" Wrench, loosen Lock Nut on the back of the End Bracket. Using a Power Drill (high torque/gear reduced to 1300 RPM preferred), with a 7/16" Socket Driver, unwind the right hand Winding Bolt counter clockwise until the Counter Cover shows "0" (zero). If the door has two springs, repeat this process for the left hand side.

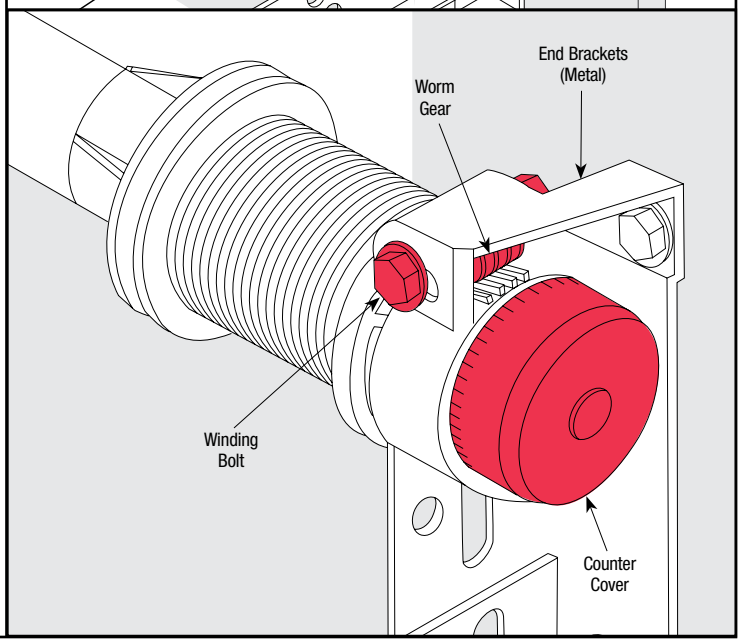
NOTE: A door with only one spring will not have a counter assembly on the left hand side.

NOTE: Spring(s) is/are fully unwound when Counterbalance Cables have no tension.

CAUTION: DO NOT USE AN IMPACT GUN TO UNWIND THE SPRINGS!

NOTE: It is recommended that Cable Drums and End Bracket assemblies get updated to current designs for optimal performance. Current End Brackets are made of metal instead of plastic, and Counter Cover and Worm Gears are made of grey plastic, instead of black and white plastic. If new parts are required, contact Wayne-Dalton Customer Service.





2

Right Hand Counter Removal

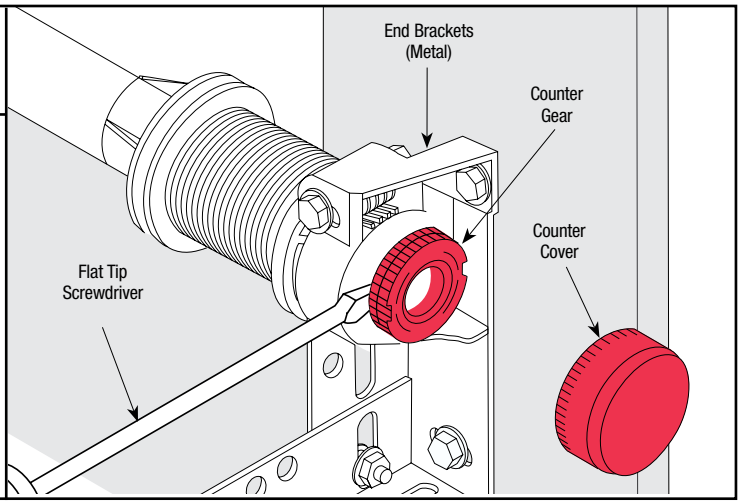
Tools Needed:

Flat Tip Screwdriver

IMPORTANT! Right and left hand is always determined from inside the garage looking out.

Remove the Counter Cover. Slide a Flat Tip Screwdriver between the End Bracket and the Counter Gear.

Gently pull the Counter Gear away from the End Bracket. If the door has two springs, repeat this process for the opposite side.



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3

End Bracket Removal

Tools Needed:

Locking Pliers

Phillips Head Screwdriver

Flat Tip Screwdriver

Power Drill

7/16” Socket Driver

Step Ladder

To remove the End Brackets, follow the steps below starting with the right hand End Bracket first:

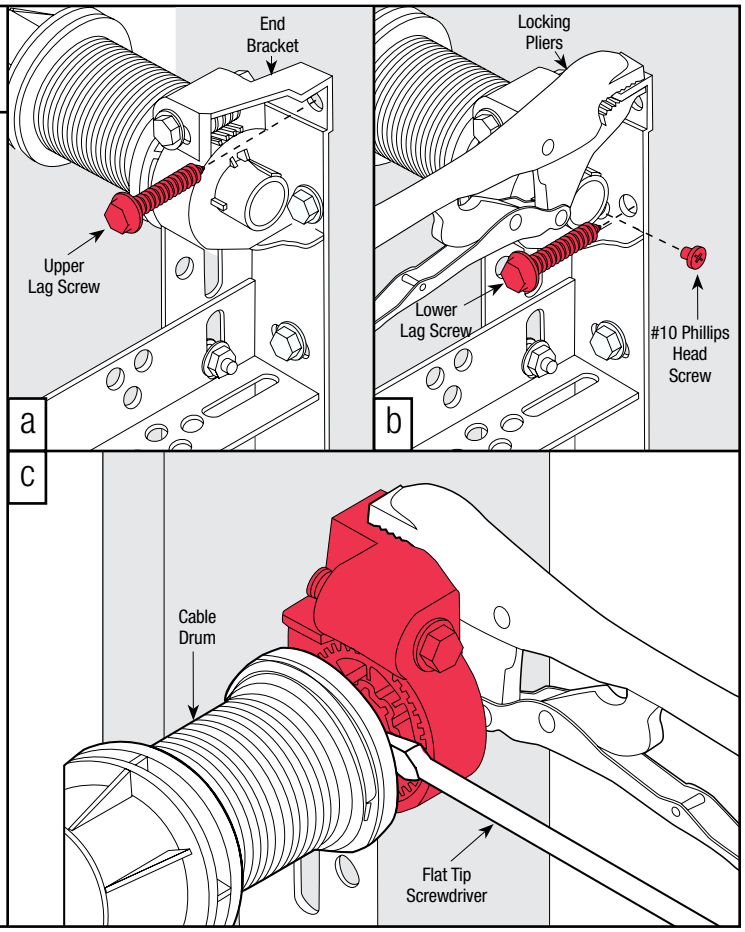
a. Remove the upper Lag Screw from the End Bracket.

b. Attach a pair of Locking Pliers to the upper portion of the End Bracket and hold the End Bracket steady while removing the lower Lag Screw. If present, remove and save the #10 Phillips Head Screw.

c. Holding the End Bracket with the Locking Pliers, carefully pry the End Bracket from the Cable Drum with a Flat Tip Screwdriver.

Repeat for left hand End Bracket.

CAUTION: The Winding Shaft may rotate when removing the End Bracket and Gear.



4

Center Bracket & Cable Drum Removal

Tools Needed:

Power Drill

7/16" Socket Driver

Step Ladder

To remove the Cable Drum/Center Brackets, follow the steps below:

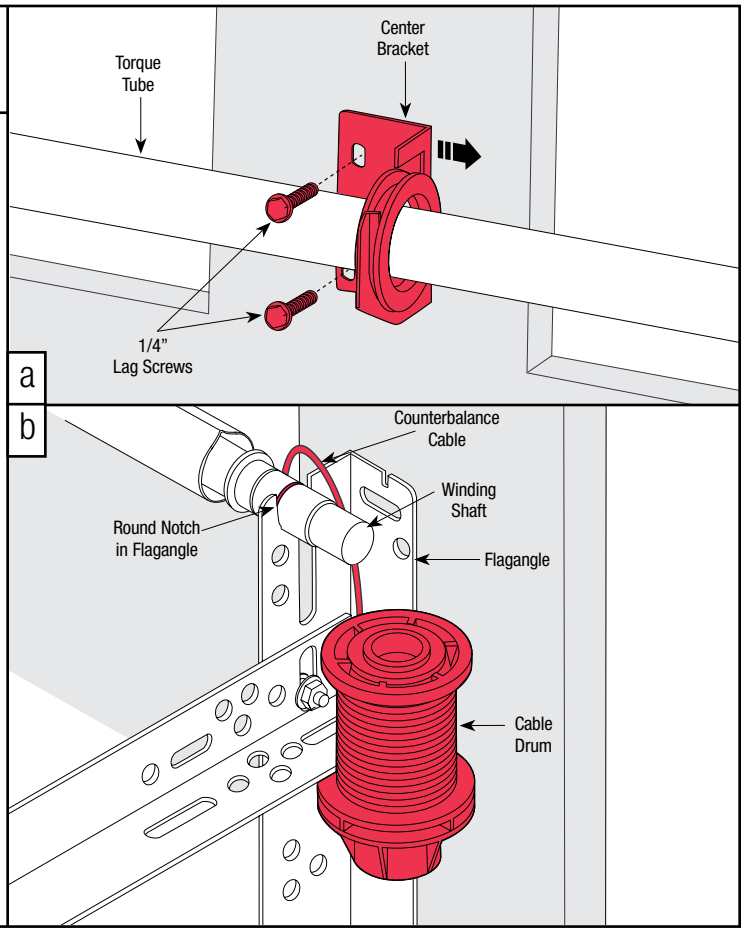
a. Remove the two 1/4" Lag Screws from the Center Bracket. Slide Center Bracket to the right side of the Torque Tube.

Lift the right side of the Torque Tube up and slide the Cable Drum and Center Bracket off the end of the Torque Tube. Discard the Center Bracket.

b. Drape the Cable Drum over the Flagangle by the Counterbalance Cable and realign the groove in the Winding Shaft with the round notch in the Flagangle.

Once aligned, lower the Winding Shaft and Torque Tube onto the Flagangle.

Repeat Cable Drum removal for left side.



5

9100 Top Bracket Re-Install (If Necessary)

Tools Needed:

Power Drill

7/16" Socket Driver

Step Ladder

If installing an idrive® Opener on an installed 9100 door, the Top Bracket and Roller location will have to be adjusted for the Opener to work properly.

Loosen the (2) 1/4”-20 Nuts from the Top Bracket Slide.

Remove the (4) 1/4”-14 x 5/8" Self-tapping Screws from the Top Bracket.

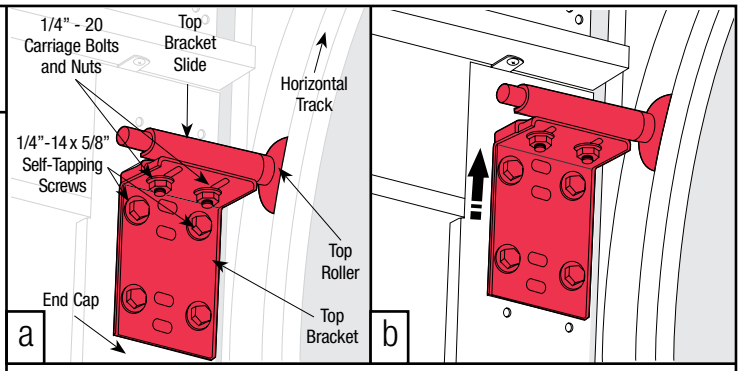
Raise the Top Bracket to align the bottom slots with the second set of holes in the End Cap.

Reattach Top Bracket to the End Cap with the (4) 1/4”-14 x 5/8" Self-tapping Screws.

Realign the Top Roller in the Horizontal Track by moving the Top Bracket Slide out to force the door section against the weather seal.

Tighten (2) 1/4”-20 Nuts.

Repeat for the opposite side.



NOTE: The 9100 doors have a painted steel face, foam insulation and white paper backing. If your door does not match this description you may skip this step.

CAUTION: To avoid the top panel from falling, complete re-installation on one side before beginning the other.

6

8000/8100/8200 Track Vertical Track Height Adjustment (If Required)

Tools Needed:

Power Drill

7/16" Socket Drive

Pencil

Tape Measure

Step Ladder

NOTE: The door must be in the fully closed position.

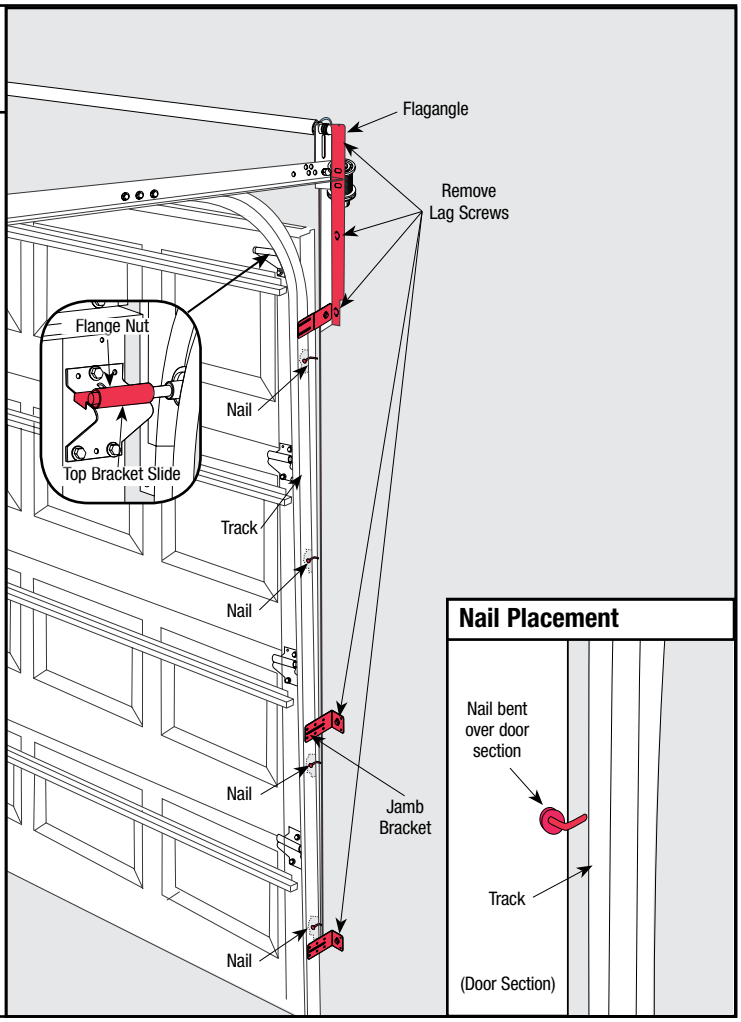
If installing an idrive® Opener on an 8000/8100/8200 door, the Top Roller location and Track height will have to be modified for the Opener to work properly. Perform the following steps:

NOTE: The bottom edge of the Track needs to be spaced 1” above the floor. If the Track is already spaced off the floor 1”, skip this step.

In the door Jamb, fasten a nail between the door and Track at the ends of each section. Bend the nail over each section to hold in place.

Remove the Lag Screws from the Flagangle and each Jamb Bracket. Using a 7/16" Socket Driver, loosen the Flange Nut on the Top Bracket Slide. Place a mark 1" up from one of the tops of one of the Jamb Brackets. Raise the Track up and align the Jamb Bracket with this line. With the Track relocated, reattach the Flagangle, End Bracket, and Jamb Brackets to the Header and/or door Jamb. Make certain to maintain spacing between edge of door and vertical track.

NOTE: Pilot drill all Lag Screw locations.



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7

8000/8100/8200 Track Horizontal Track Height Adjustment (If Required)

Tools Needed:

Level

1/2" Wrench

Step Ladder

⚠WARNING

FAILURE TO REATTACH HORIZONTAL TRACKS TO THE SUPPORT BEFORE OPENING DOOR CAN CAUSE DOOR TO FALL FROM OVERHEAD POSITION, POSSIBLY CAUSING SEVERE OR FATAL INJURY.

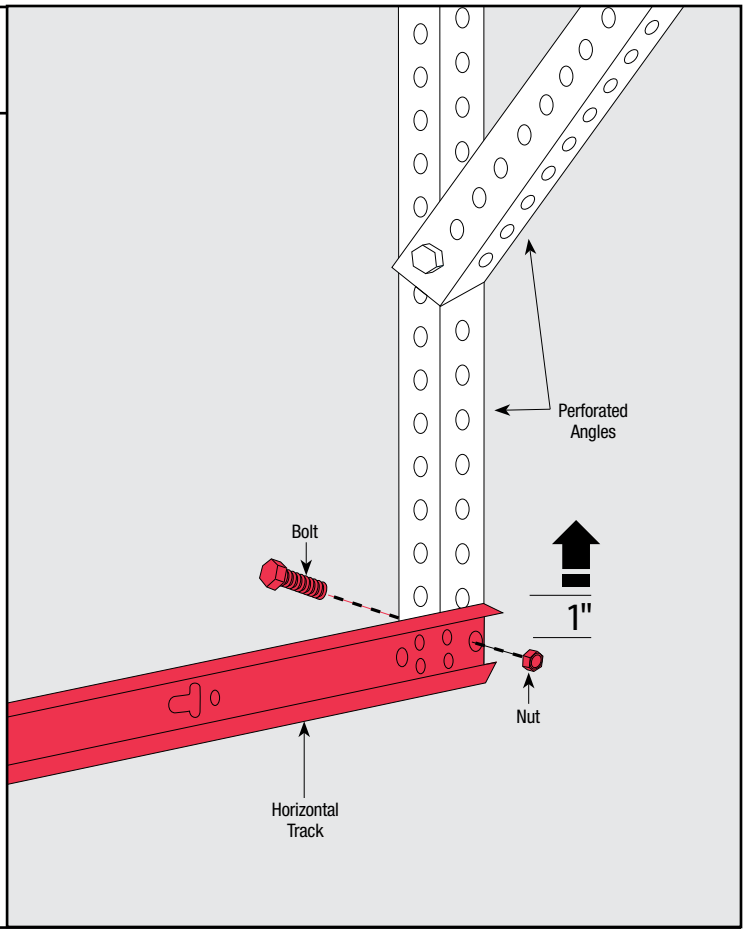
NOTE: Door must be in the fully closed position.

If the vertical track was raised then the horizontal track will need to be adjusted.

Remove Bolt securing back of Horizontal Track to the Perforated Angle and reposition horizontal track UP 1" (25mm) from it's original position.

Reattach the Horizontal Track to the Perforated Angle with the same Bolt and Nut.

Assemble bolt and nut from the direction shown so bolt will extend inside of track.



8

8000/8100/8200 Track Top Roller Adjustment (If Necessary)

Tools Needed:

Power Drill

7/16" Socket Driver

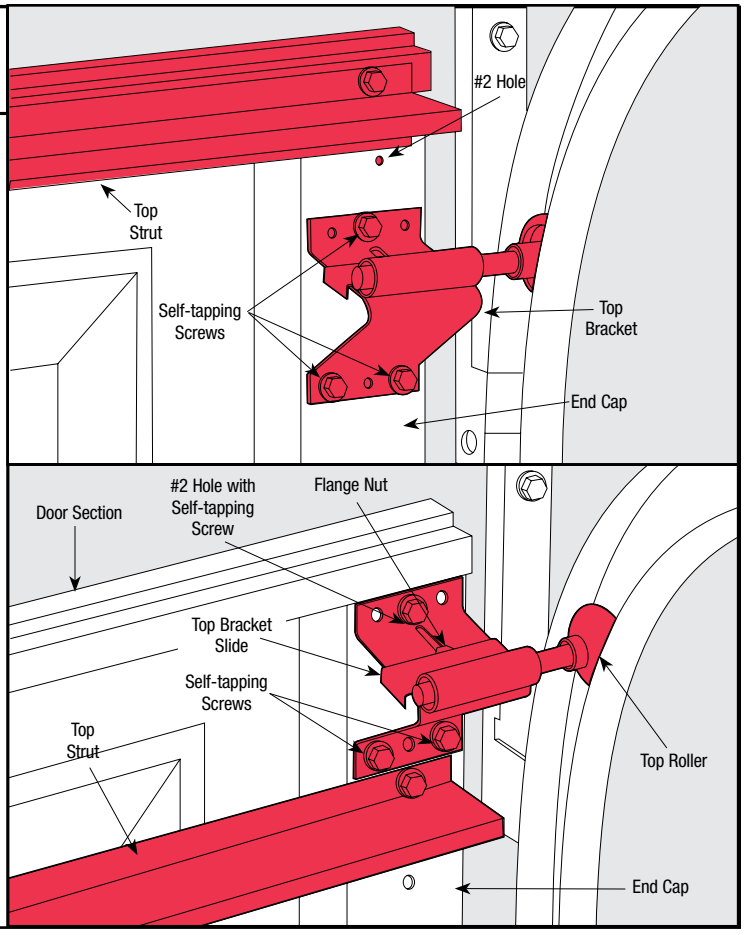
Step Ladder

Remove the (3) Self-tapping Screws from the Top Bracket.

Relocate the top hole of the Top Bracket with the #2 Hole in the End Cap and reattach the Top Bracket to the End Cap with the same three Self-tapping Screws. It may be necessary to relocate the Top Strut (if installed) to correctly place the Top Bracket in its new location.

Realign the Top Roller in the Track by moving Top Bracket Slide out until door section is straight up and down. Retighten the Flange Nut.

Repeat for opposite side.



9

Idrive® for Torquemaster® Installation Assembling Opener

Tools Needed:

None

IMPORTANT! Right and left hand is always determined from inside the garage looking out.

NOTE: Older versions of the Torque Tube have a label applied on the right side that the Opener will not slide over. Check the location of the Label on the Torque Tube. If your Torque Tube has the Label located on the right side, document the information on the Label, then remove it completely using an adhesive remover or mineral spirits. If your Torque Tube has the Label located on the left side, proceed with the following instructions.

Lay the Torque Tube on the floor (inside garage) in front of the door with the Labeled end to the left.

Look into the Opener's left side to ensure the left hand Bearing and the Internal (black) Sleeve are aligned with the Torque Tube profile.

IMPORTANT: Hold Opener by the main body. Do NOT hold by the Motor.

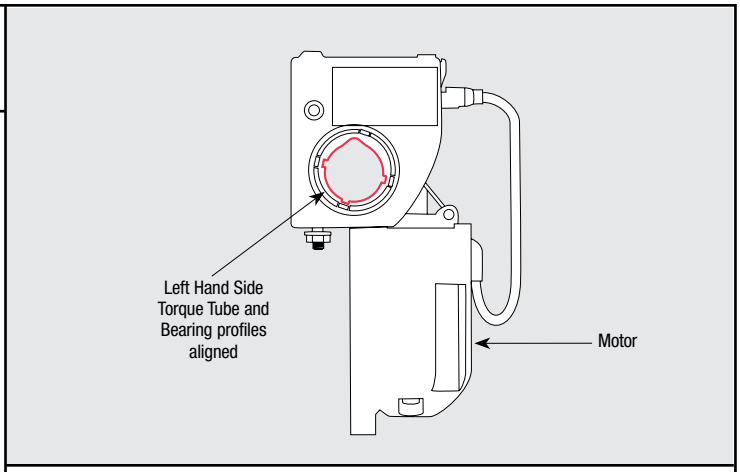
Once aligned, slide the Opener onto the right hand end of the Torque Tube. As the right end of the Torque Tube enters the Internal (black) Sleeve, rotate the Opener back and forth slightly to help aid alignment.

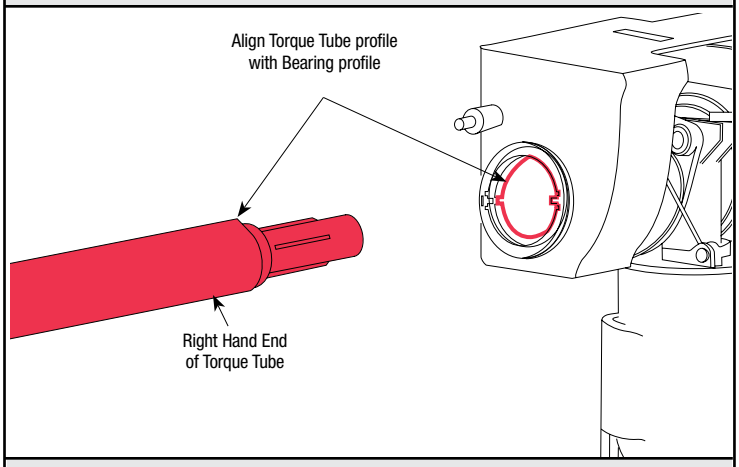
Continue sliding the Opener onto the Torque Tube. Align the right hand Bearing with the Torque Tube and slide the Opener completely onto the Torque Tube until the Torque Tube exits the Opener right hand Bearing.

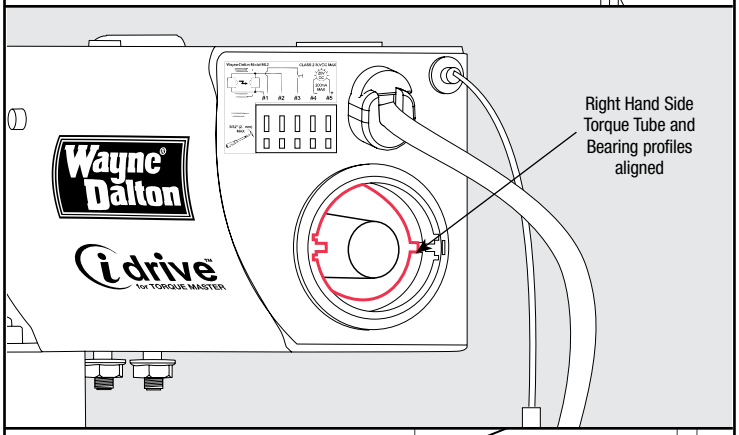
NOTE: Do not force the Opener onto the Torque Tube if misalignment occurs.

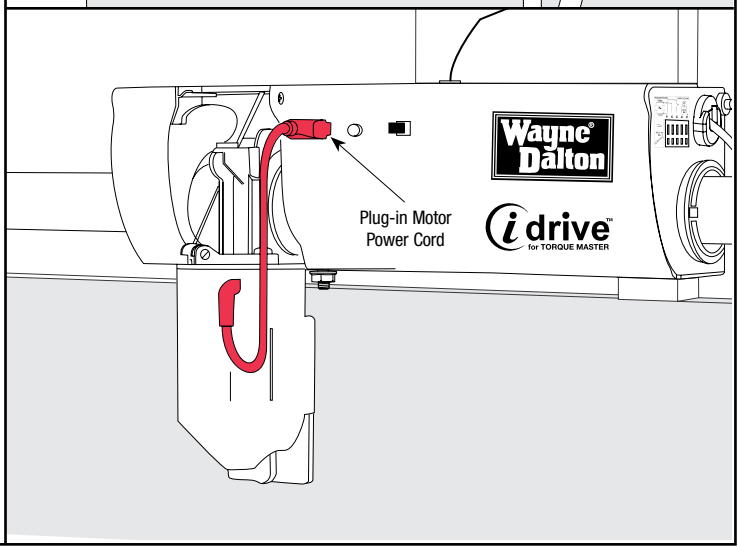
Continue sliding the Opener to the center of the Torque Tube.

Plug the Motor Power Cord into the Opener.









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10 Cable Drum Installation

Tools Needed:

None

Shake the Torque Tube gently to extend the Winding Shafts out about 5" on each side. For single spring applications, there will be no left hand spring in the Torque Tube.

Lift the Torque Tube and rest it on the top of the Flagangles. Orient Torque Tube so that back of Opener is flat against Header/ Mounting Surface.

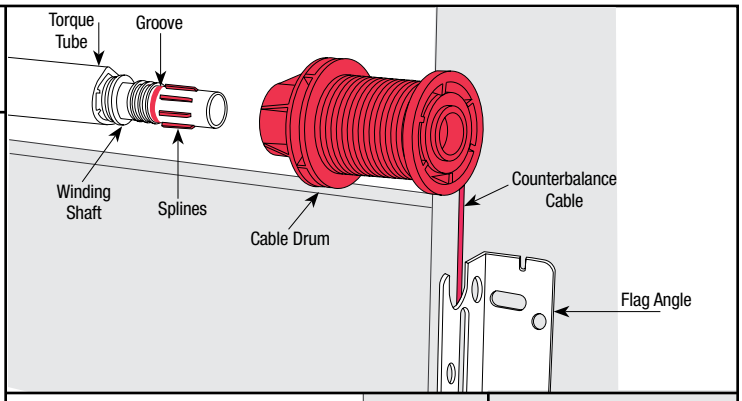
NOTE: Cable Drums and Torque Tube are cam shaped to fit together only one way.

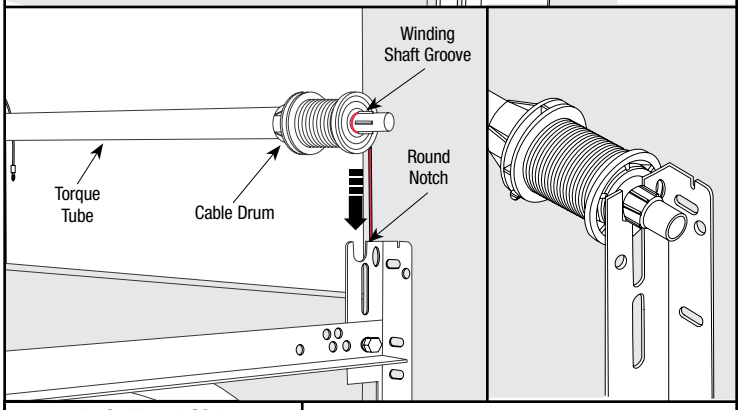
To install the Cable Drum, slide the Cable Drum over the Winding Shaft until the Cable Drum seats against the Torque Tube. The Winding Shaft must extend past the Cable Drum far enough to expose the Splines and the Groove.

Align the Winding Shaft Groove with the round Notch in the Flagangle. Repeat for opposite side for double spring applications.

For single spring applications, insert the loose Winding Shaft into the left hand Cable Drum prior to sliding the Cable Drum over the Torque Tube.

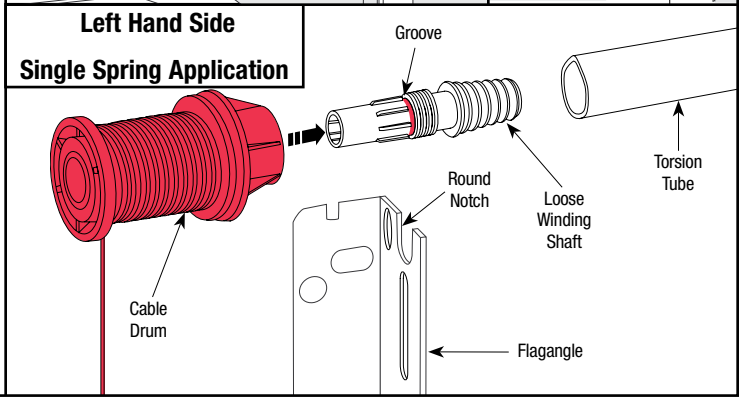
NOTE: On single spring applications, take care in handling the loose Winding Shaft (left side) so that it does not slide back into the Torque Tube.





Left Hand Side

Single Spring Application



11 Drive Gear Installation

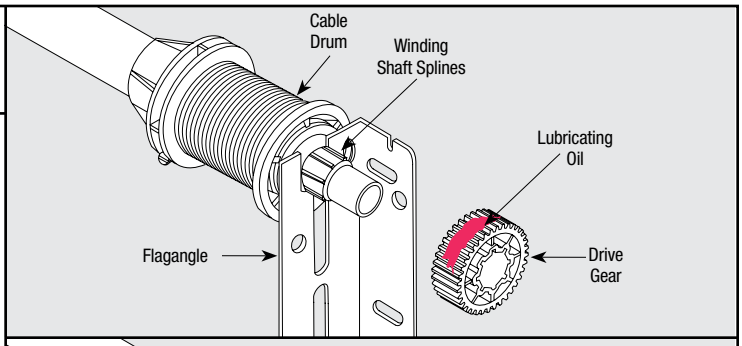
Tools Needed:

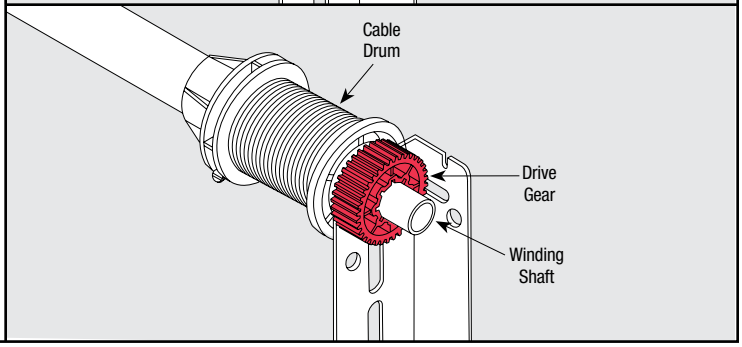
Lubricating Oil

Beginning with the right hand side, lubricate entire circumference of the Drive Gear with Lubricating Oil. Slide the Drive Gear onto the Winding Shaft Splines until it touches the Flagangle.

NOTE: On single spring applications, no Drive Gear is required on the left side.

NOTE: If additional Lubricating Oil is required "Dura-Lube Engine Oil Treatment" is recommended.





12

End Bracket Installation

Tools Needed:

Power Drill

3/32” Drill Bit

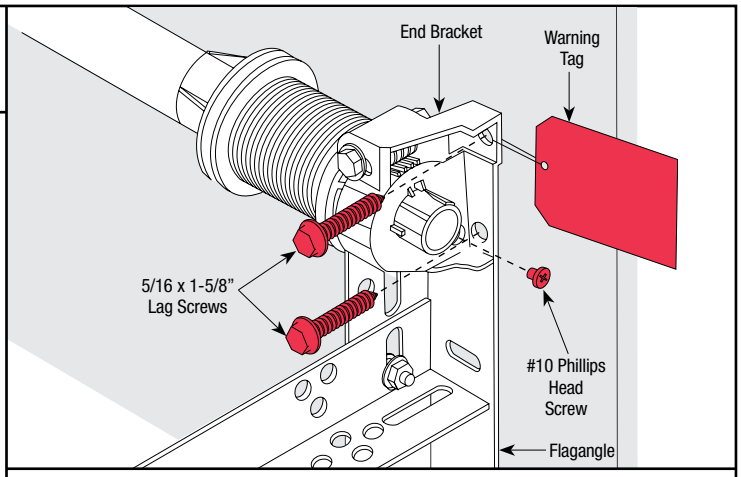
7/16” Socket Driver

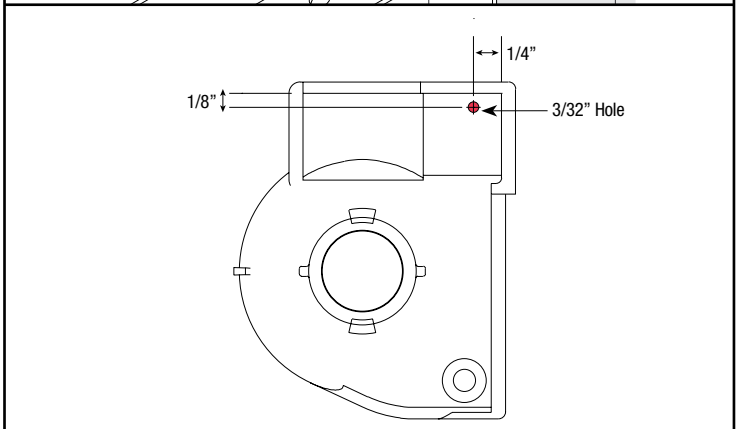
Phillips Head Screwdriver

IMPORTANT! Warning Tags must be securely attached to both End Brackets.

Slide the right hand End Bracket over the Drive Gear. Replace #10 Phillips Head Screw that was removed in Step 3. Secure End Bracket and the Flagangle to the Jamb using (2) 5/16 x 1-5/8" Lag Screws.

NOTE: Older End Brackets may not have a hole needed for the Opener’s Emergency Disconnect Cable. If the right hand End Bracket does not have a hole for the Disconnect Cable, drill a 3/32" (3mm) hole as shown prior to installing the End Bracket.





13

Counter Installation

Tools Needed:

None

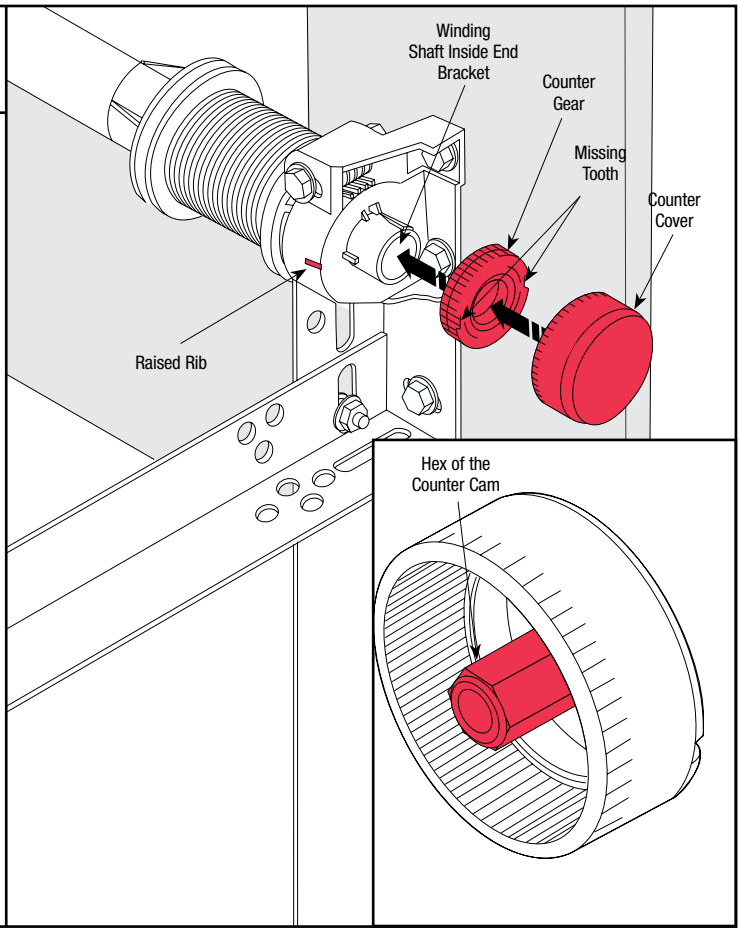
Install the right side Counter Gear, with the missing tooth toward the outside and away from the End Bracket. Press the Counter Gear onto the End Bracket until snaps engage.

Select the right hand Counter Cover and align the hex of the counter cam with the end of the Winding Shaft. Also, align the “0” on the Counter Cover with the Raised Rib on the End Bracket. Press the Counter Cover against the Counter Gear until it locks into place.

Repeat for left hand side for double spring applications.

NOTE: No Drive Gear, Counter Gear or Counter Cover is required on left hand side for single spring applications. Only an End Bracket is needed.

IMPORTANT! At this time do not wind Counterbalance Springs!



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14

Positioning Support Bracket

Tools Needed:

Power Drill

1/8” Drill Bit

7/16” Socket Driver

Tape Measure

NOTE: idrive® must be installed on a solid mounting surface.

Locate the Mounting Surface. The Mounting Surface is a vertical board running directly above the center of the door. Remove (2) 1/4”-20 Flange Nuts from bottom of Opener.

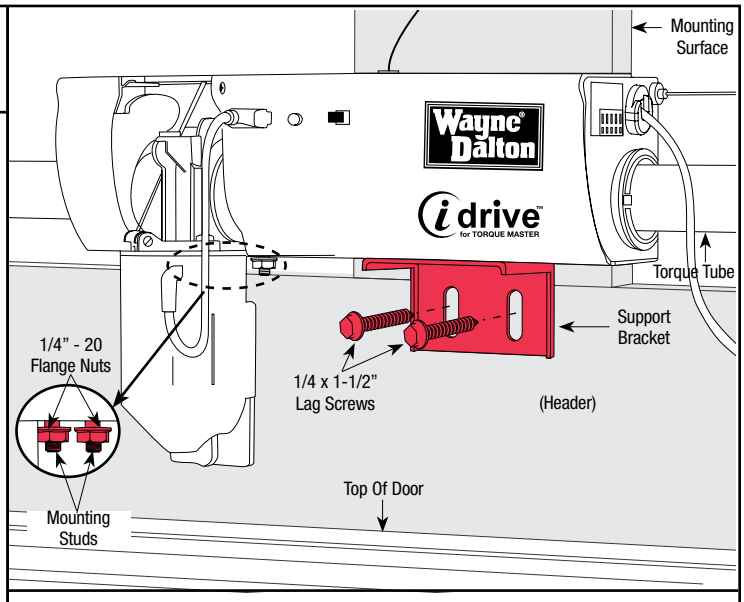
NOTE: Do not discard Flange Nuts.

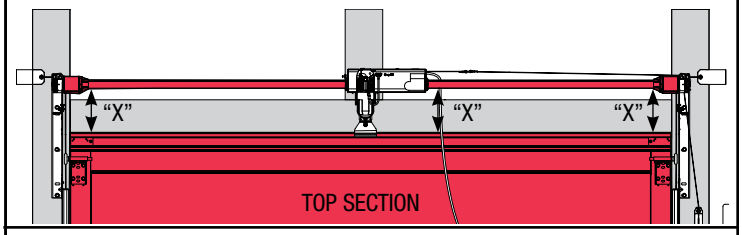
Place the Support Bracket underneath Opener, to the right side of Motor, centered on Mounting Surface.

Using a tape measure, level the bottom of the Torquemaster® Tube to the top of the door section with the idrive® resting on the Support Bracket. Once Torque Tube is level, drill 1/8” pilot holes for the Lag Screws.

Then secure Support Bracket to the Mounting Surface with (2) 1/4” x 1-1/2" Lag Screws.

NOTE: If wood mounting surface is behind dry wall, use 1/4” x 2” lag screws.





USING A TAPE MEASURE, MAINTAIN AN EQUAL MEASUREMENT “X” (TOP OF DOOR TO BOTTOM OF TORQUEMASTER® TUBE) AT BOTH ENDS AND THE CENTER.

15

Attaching Opener To Support Bracket

Tools Needed:

None

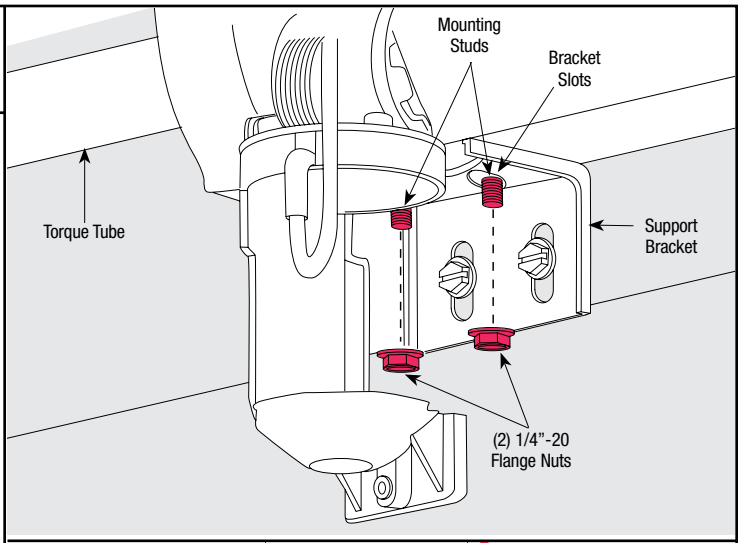
Lift and slide the Opener over the Support Bracket, aligning the Mounting Studs with the Bracket slots. Loosely fasten to Mounting Studs with the (2) 1/4”-20 Flange Nuts.

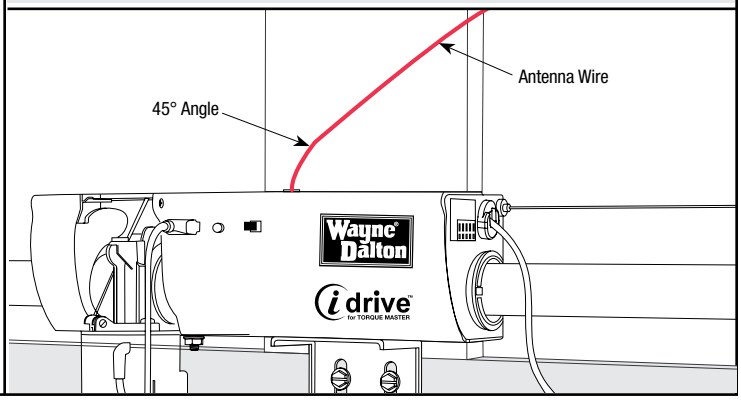
Alternately, the Disconnect Cable can be pulled to allow Motor to pivot up. This will enable assembly of the Support Bracket to the Opener first, followed by leveling of the Torque Tube and then attachment of Support Bracket to Mounting Surface.

NOTE: Do not tighten 1/4”-20 Flange Nuts to Opener Studs at this time.

Remove the temporary orange Label holding the Antenna Wire. Straighten Antenna Wire and angle it 45 degrees to the right.

NOTE: Do not coil the Antenna Wire. This will reduce the radio signal range.





16

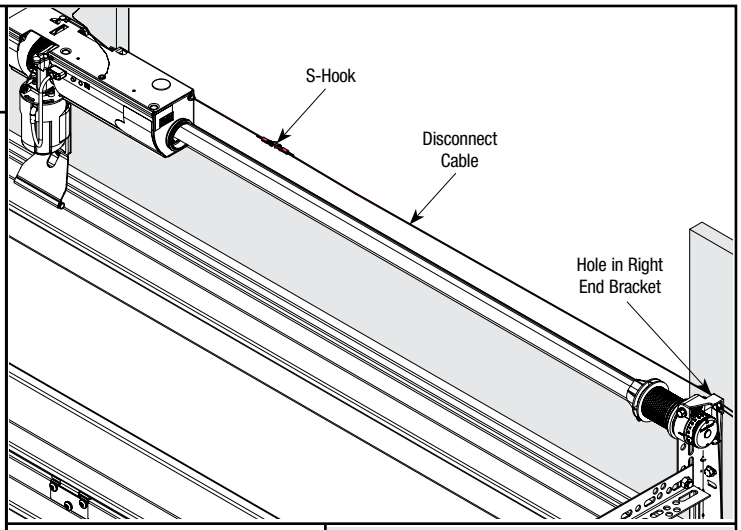
Attaching Disconnect Cable

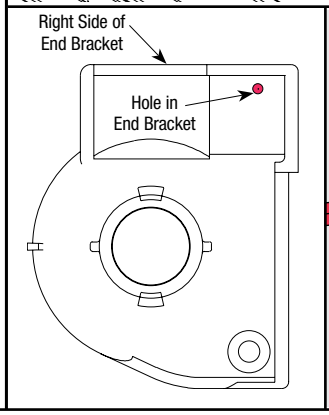
Tools Needed:

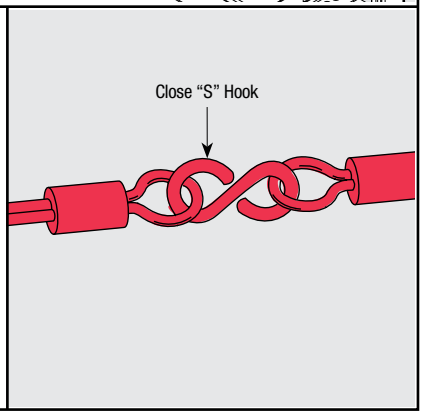
Pliers

Attach the loose Disconnect Cable (located in Opener Hardware Bag) to the Opener with the “S” hook. Close both ends of the “S” hook to lock assembly together with Pliers.

Thread the Disconnect Cable through the hole in the right hand End Bracket, and remove all slack between Opener and Right End Bracket.







17

Mounting Disconnect Handle Bracket

Tools Needed:

Pencil

Tape Measure

Power Drill

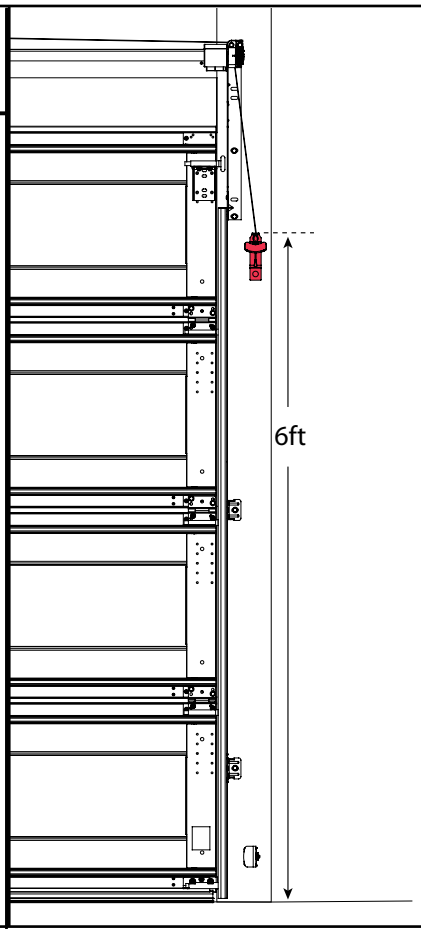
1/8" Bit

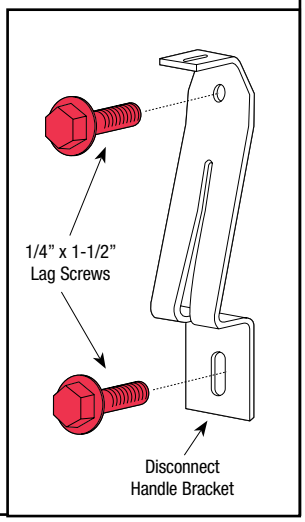
7/16” Socket Driver

Mark a location on the right Jamb, 6 feet above the floor to mount the Disconnect Handle Bracket.

Pilot drill Lag Screw location using 1/8" Drill Bit.

Align top of the Bracket with the mark. Fasten Bracket to the Jamb with (2) 1/4” x 1-1/2" Lag Screws.





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18 Attaching Disconnect Handle

Tools Needed:

Phillips Head Screwdriver

Wire Cutters

Flat Blade Screwdriver

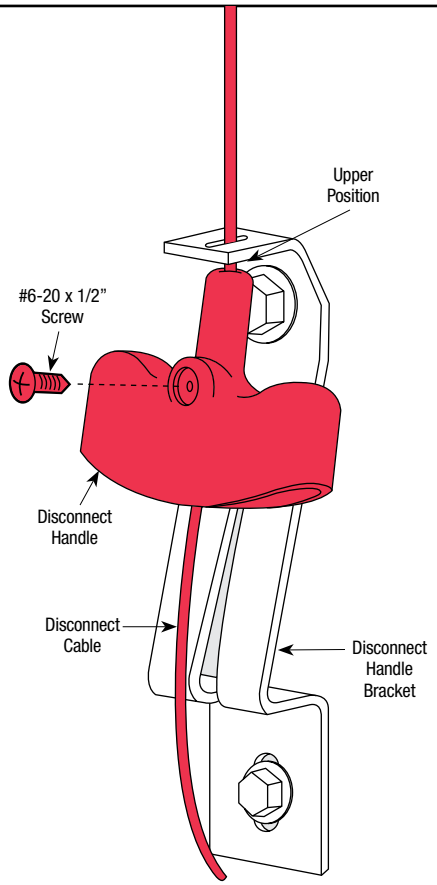
NOTE: The motor must be in the fully down position before setting handle position on cable. Bring Motor to the down position by pulling the disconnect cable while pushing the motor down. Insure Opener disconnect teeth are engaged before installing Disconnect Handle. If motor is not fully down when teeth are engaged, turn motor shaft with screwdriver at back of motor counter clockwise until motor is fully down.

Start the #6-20 x 1/2" Screw into the Disconnect Handle. Thread the Disconnect Cable through the top of the Disconnect Handle Bracket and then the Disconnect Handle.

Locate the Disconnect Handle in full upper position of Disconnect Handle Bracket.

Remove all Disconnect Cable slack between the Opener and the top of the Disconnect Handle Bracket. Tighten #6-20 x 1/2" Screw into the Disconnect Handle until snug, and then tighten Screw an additional 1 to 1-1/2 turns to secure Disconnect Cable to the Disconnect Handle. Trim off excess cable from bottom of the Disconnect Handle.

CAUTION: PULL CABLE ONLY TAUT ENOUGH TO REMOVE THE CABLE SLACK. PULLING THE CABLE MORE COULD CAUSE OPENER TO DISCONNECT FROM THE TORQUE TUBE AND CAUSE FAILURE OF THE DISCONNECT.



19 Disconnect Handle Usage

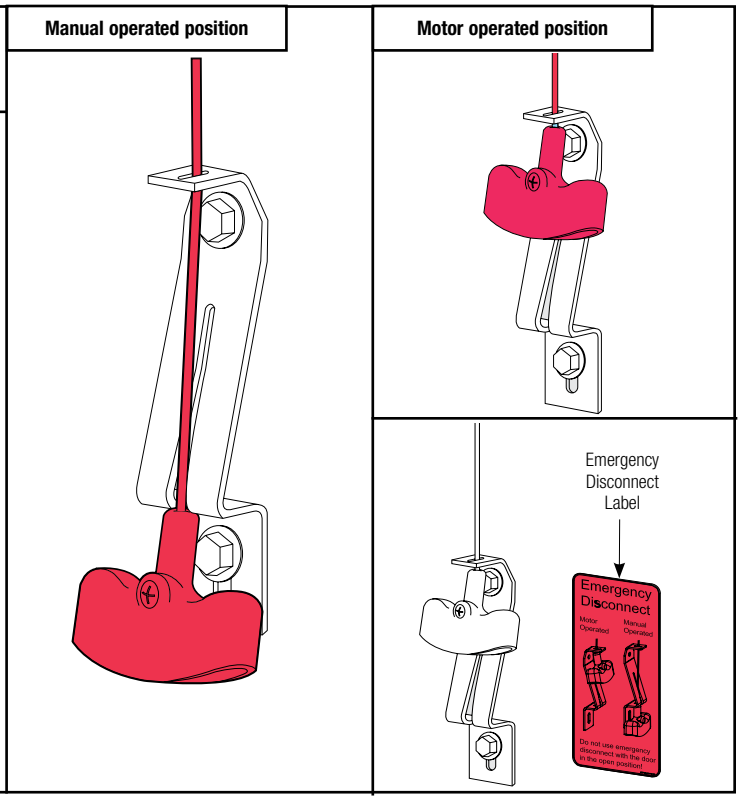
Tools Needed:

None

Apply Emergency Disconnect Label next to the mounted bracket. Use mechanical fasteners if adhesive will not adhere.

Using the Emergency Disconnect, pull Disconnect Handle downwards and place it in the manual door operated position (Use Disconnect Label for reference). Motor will be rotated 90° from its packaged position.

If Motor does not pivot 90°, see troubleshooting section in this manual.



20

Cable Adjustments

Tools Needed:

Locking Pliers

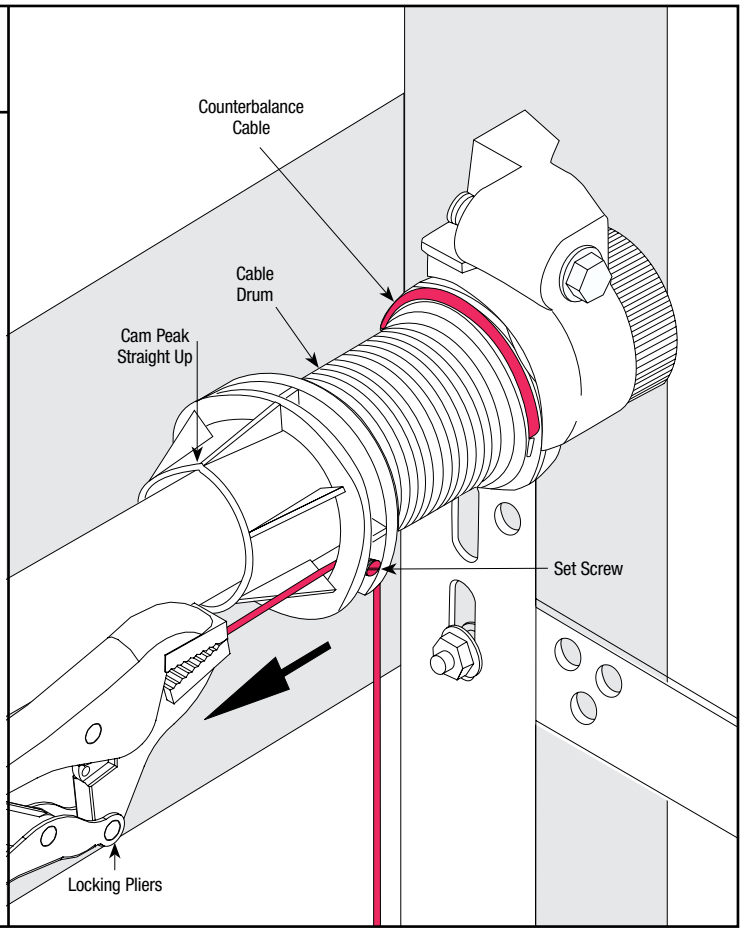
Flat Tip Screwdriver

Rotate the Cable Drum until the Set Screw faces directly away from the Header. Torque tube Cam Peak should be pointing straight up.

NOTE: Cable tension is set during the initial door installation. If there is slack between the Counterbalance Cable and the Cable Drum or unequal tension between the right and left hand Counterbalance Cables, the Counterbalance Cables will have to be readjusted. If there is no slack and cable tension is equal, proceed to Step 21.

Beginning with the right side, loosen the Set Screw approximately 2 turns to adjust Counterbalance Cable. Using Locking Pliers, pull on the end of the Counterbalance Cable to remove all Cable slack.

Check to ensure the Cable is aligned and seated in the first Groove of the Cable Drum. Snug the Set Screw, then tighten an additional 1-1/2 turns. Left side will be adjusted in Step 22.



21

Securing Door for Spring Winding

Tools Needed:

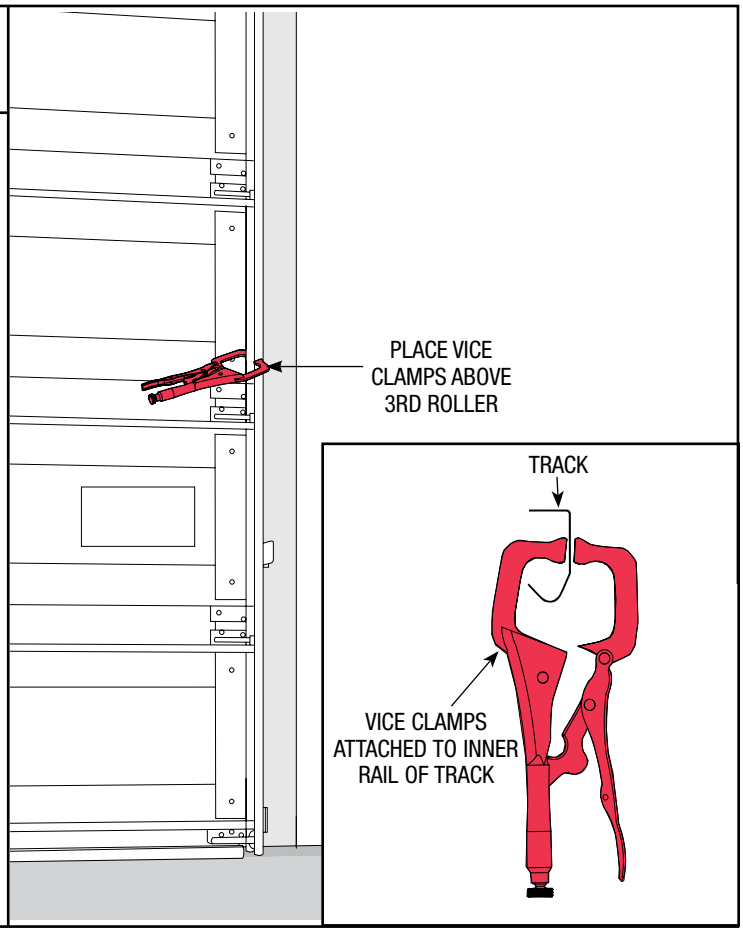
Vice Clamps

⚠WARNING

FAILURETO CLAMP TRACK CAN ALLOW DOOR TO RAISE UNEXPECTEDLY, RESULTING IN SEVERE OR FATAL INJURY.

Place Vice Clamps onto both Vertical Tracks just above the third Roller. This is to prevent the garage door from rising while winding the springs.

IMPORTANT! DO NOT USE IMPACT GUN TO WIND SPRING(S)



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22

Winding Bolt Rotation

Tools Needed:

Power Drill

7/16" Socket Driver

See Chart in Step 23 for proper Spring Tension setting.

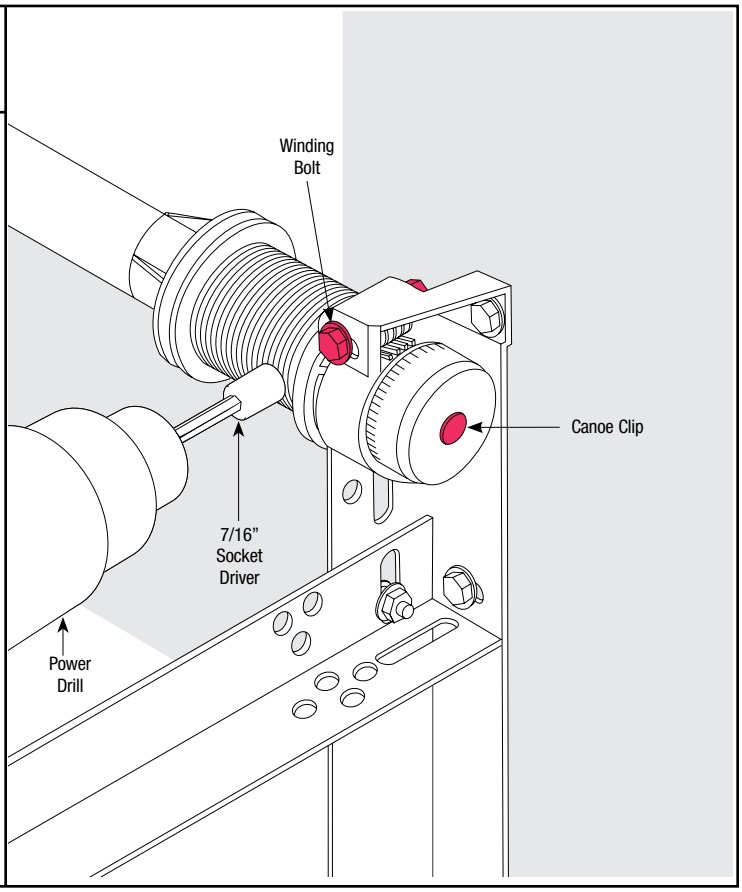
Beginning with the right hand side, ensure the Counterbalance Cable is in the first Groove of the Cable Drum. Apply light pressure to the canoe clip on counter while winding springs.

Using a Power Drill (high torque/gear reduced to 1300 RPM preferred) with a 7/16" Socket Driver, carefully rotate right hand Winding Bolt clockwise, until counter shows 2-3 turns. This will keep the Counterbalance Cable taut while adjusting the left hand side Counterbalance Cable.

Adjust left hand counterbalance cable tension (Refer to step 20).

NOTE: Single spring applications require no spring winding on left hand side, but need cable tension adjusted.

NOTE: Ensure Counterbalance Cable tension is equal for both sides prior to fully winding spring(s) to appropriate number of turns. If cable tension is unequal, refer to Step 20.



23

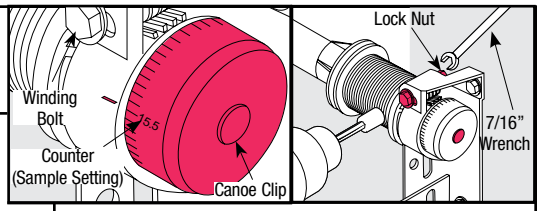
Setting Spring Tension

Tools Needed:

Power Drill

7/16" Socket Driver

7/16" Wrench



NOTE: Apply light pressure to the canoe clip on the counter while winding spring(s).

See the **Spring Turn** chart.

For SINGLE SPRING applications, return to the right hand side and carefully rotate the Winding Bolt head clockwise until the Counter shows the correct number of turns for your door or the number record during the Pre-Installation Inspection on page II.

For DOUBLE SPRING applications, remain on the left hand side and carefully rotate the Winding Bolt head clockwise until the Counter shows the correct number of turns for your door or the number record during the Pre-Installation Inspection on page II. Then return to the right hand side and wind the right hand spring to the required number of turns for your door or the number recorded during the Pre-Installation inspection on page II.

IMPORTANT! DO NOT OVERWIND.

After spring is wound, hold the Lock Nut (in back of End Bracket) stationary with a 7/16" Wrench while rotating the Winding Bolt clockwise until snug. Tightening of the Lock Nut prevents spring from unwinding. Repeat for opposite side on double spring Torquemaster® systems.

IMPORTANT! CAUTIOUSLY REMOVE LOCKING PLIERS FROM VERTICAL TRACKS. ADJUSTMENTS TO THE RECOMMENDED NUMBER OF TURNS MAY BE REQUIRED. IF DOOR RAISES OFF THE FLOOR UNDER SPRING TENSION ALONE, THEN REDUCE SPRING TENSION UNTIL DOOR REST ON THE FLOOR. IF THE DOOR IS HARD TO RAISE OR DRIFTS DOWN ON ITS OWN, THEN ADD SPRING TENSION. AN UNBALANCED DOOR SUCH AS THIS CAN CAUSE IDRIVE® OPERATION PROBLEMS.

NOTE: For 7' high doors, 8', 9', 10', 16' or 18' wide with windows, the recommended number of spring turns is 15.

RECOMMENDED SPRING TURNS

Door Height	idrive Operated Doors 11'-11" Wide or Less	Manually Operated Door, and idrive Operated Doors 12' Wide or Greater
6'-0"	13-1/2	14
6'-3"	14	14-1/2
6'-5"	14-1/2	15
6'-6"	14-1/2	15
6'-8"	15	15-1/2
6'-9"	15	15-1/2
7'-0"	15-1/2	16
7'-3"	16	16-1/2
7'-6"	16-1/2	17
7'-9"	17	17-1/2
8'-0"	17-1/2	18

24

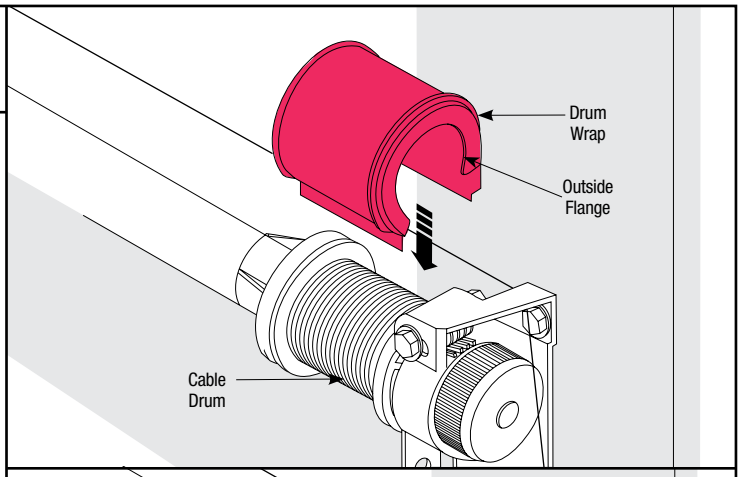
Drum Wrap Installation

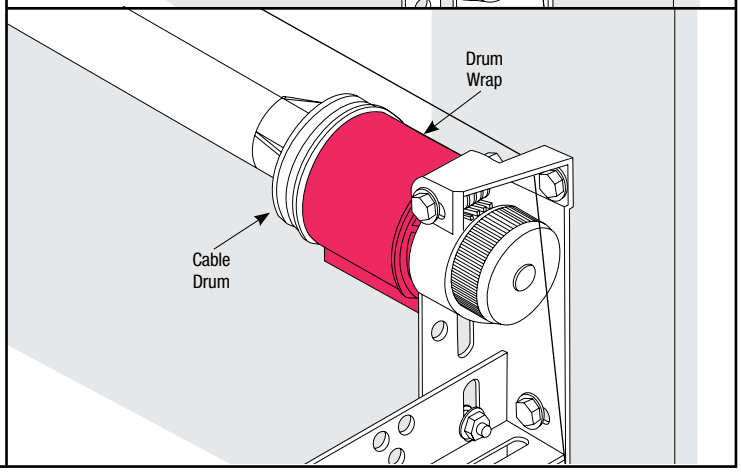
Tools Needed:

None

Drum Wraps (supplied with Torquemaster® counterbalance systems) are identified as right and left.

To install, place the Drum Wrap over the Cable Drum and under the idrive® Disconnect Cable. Align the Outside Flange over the outside edge of the Cable Drum and push the Drum Wrap down onto the Cable Drum.





25

Mounting Wall Station

Tools Needed:

Tape Measure

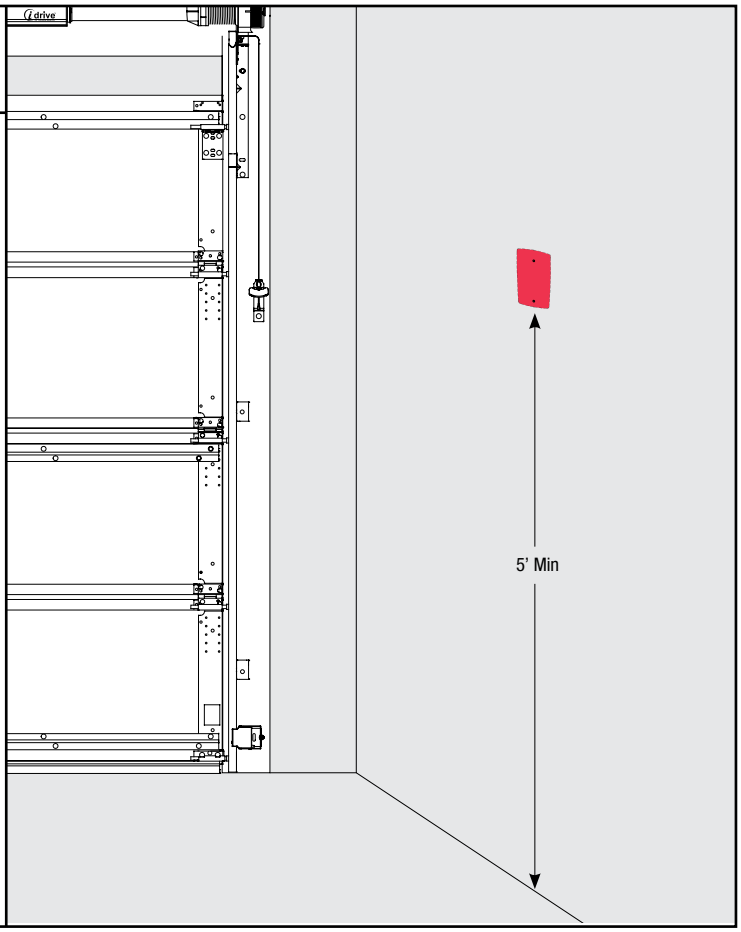
⚠WARNING

TO PREVENT POSSIBLE INJURY, INSTALL WALL STATION OUT OF THE REACH OF CHILDREN AND IN A LOCATION WHERE THE DOOR CAN BE SEEN WHEN THE OPENER IS ACTIVATED. DO NOT MOUNT WALL STATION NEAR OR NEXT TO GARAGE DOOR.

NOTE: For proper operation, mount the Wall Station on a flat surface.

The Wall Station can be mounted to a NEMA standard electrical device box or directly to any wall surface. No wiring is required.

Select appropriate place to mount Wall Station. To keep Wall Station out of the reach of children, locate it at least five feet up from the floor.



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Mounting Wall Station (Continued)

Tools Needed:

Power Drill

3/16” or 3/32" Drill Bit

Phillips Head Screwdriver

If mounting to a NEMA electrical device box, use machine thread screws provided in place of the wood screws. No drilling is required. If high voltage wiring is contained in the box, a standard NEMA solid faceplate must be installed between the box and the Wall Station. If fastening into drywall or concrete, use anchors provided. When mounting to wood use a 3/32" drill bit and the Drilling Template located on page 38.

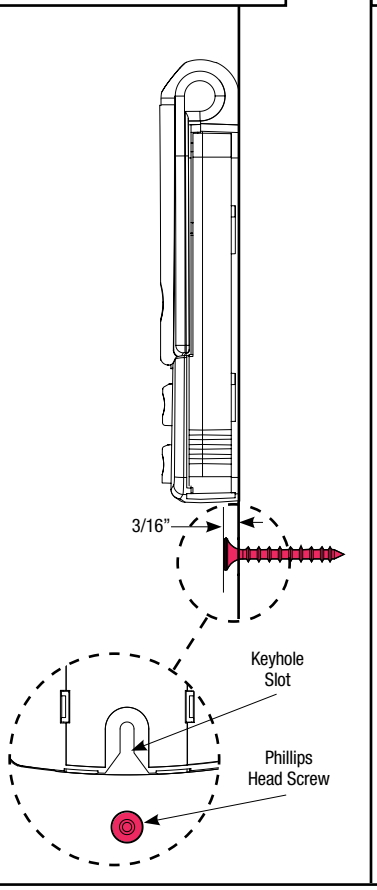
Drill the two 3/32” mounting holes using the drill template. Drill 3/16" holes if using anchors.

Install lower screw leaving 3/16" of the screw exposed. Slide Wall Station Keyhole Slot onto the lower Phillips Head Screw. Wall Station should slide onto screw, providing a snug fit. If necessary remove Wall Station and loosen or tighten lower Phillips Head Screw until a snug fit is achieved.

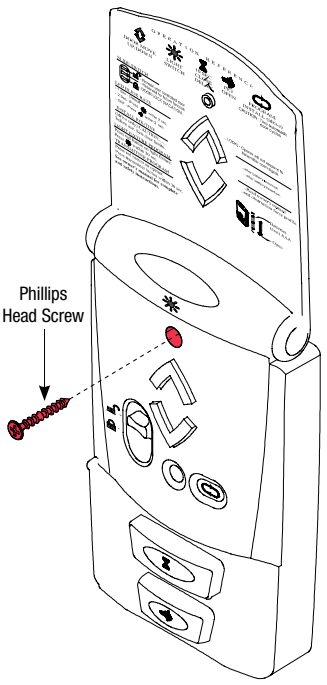
Once Wall Station is fitted on lower screw, install upper screw. Do not over-tighten.

CAUTION: Over-tightening the upper screw could deform plastic case.

Lower Screw Installation



Upper Screw Installation



26

Installing Battery

Tools Needed:

None

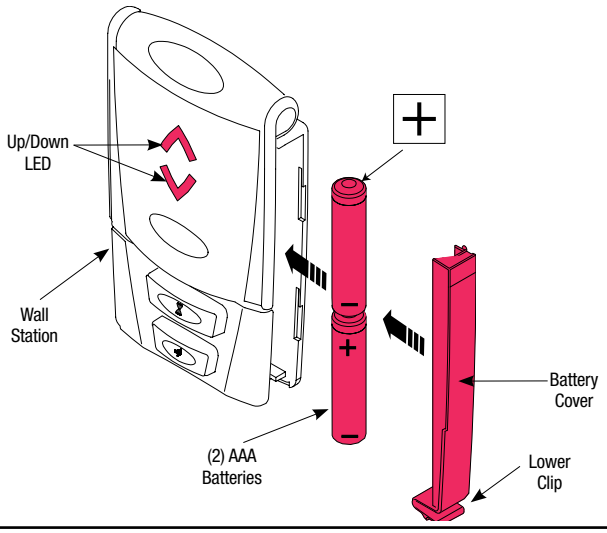
Remove the Battery Cover (right-hand side of Wall Station) by disengaging the Battery Cover’s lower clip.

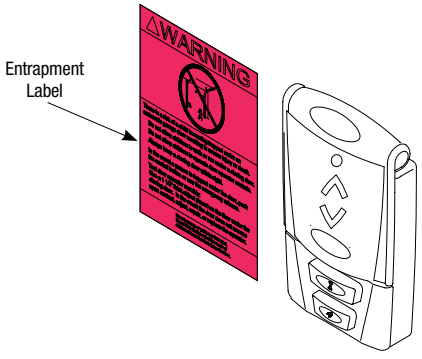
Install two AAA Batteries into the Wall Station observing the polarity, (+) and (-), of both batteries. After about three seconds, the Up/Down red LED will begin to blink momentarily every 1 second.

Re-install the Battery Cover by first inserting its top into the Wall Station then inserting and securing its bottom.

Apply Entrapment Label in a convenient location next to the Wall Station. Use mechanical fasteners if adhesive will not adhere.

NOTE: To slow blink rate or turn off, refer to wall station operation page 28 “Backlit LED Lights”.





PRE-OPERATION INSTALLATION

27

Positioning the Light Fixture

Tools Needed:

Phillips Head Screwdriver

Flat Tip Screwdriver

⚠WARNING

TO AVOID ELECTRICAL SHOCK DISCONNECT POWER TO THE RECEPTACLE AT THE FUSE/BREAKER BOX, BEFORE PROCEEDING WITH THE INSTALLATION OF THE LIGHT FIXTURE.

IMPORTANT! This Light Fixture has a grounding type plug with a third (grounding) pin. This plug will only fit into a grounding-type outlet. If the plug does not fit into your outlet, contact a qualified electrician to install the proper outlet. DO NOT alter the plug in any way.

⚠WARNING

TO AVOID ELECTRICAL SHOCK/FIRE, DO NOT MOUNT THE LIGHT FIXTURE TO A RECEPTACLE WITH A METAL FACE PLATE.

IMPORTANT! Garage door must clear Light Fixture when the door is in the open position.

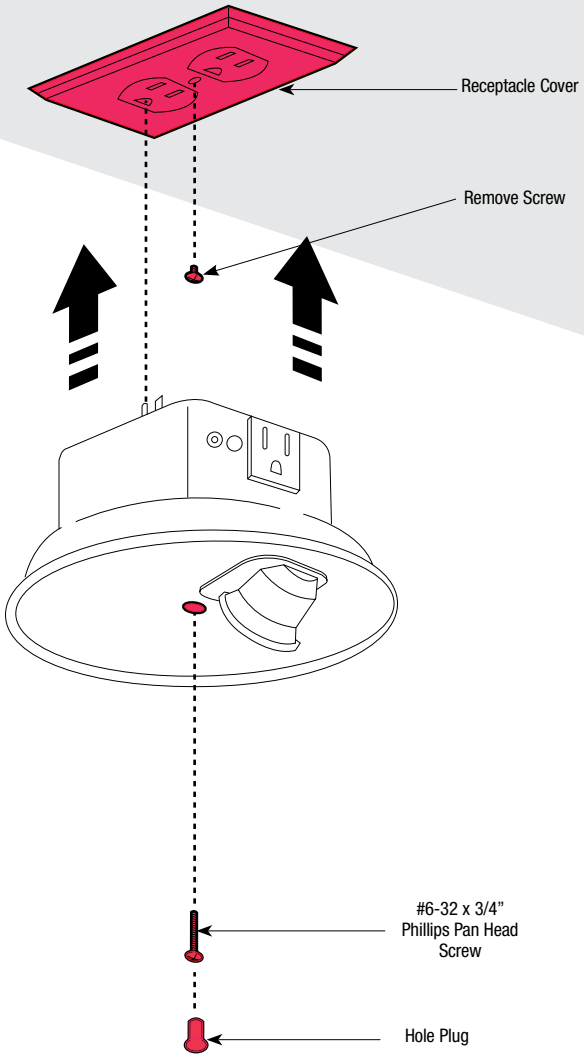
The Light Fixture is designed to mount directly to a standard 120V Duplex Receptacle.

Remove the Screw in the Receptacle Cover. Holding Receptacle Cover in place, insert Light Fixture into the Receptacle that has the ground hole farthest from Screw hole.

Secure Light Fixture to Receptacle with a #6-32 x 3/4" Phillips Pan Head Screw.

Install Hole Plug into the Screw Hole in the Light Fixture.

NOTE: For temperature protection, the Hole Plug must be in place prior to using the Light Fixture.



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28

Attaching Diffuser

Tools Needed:

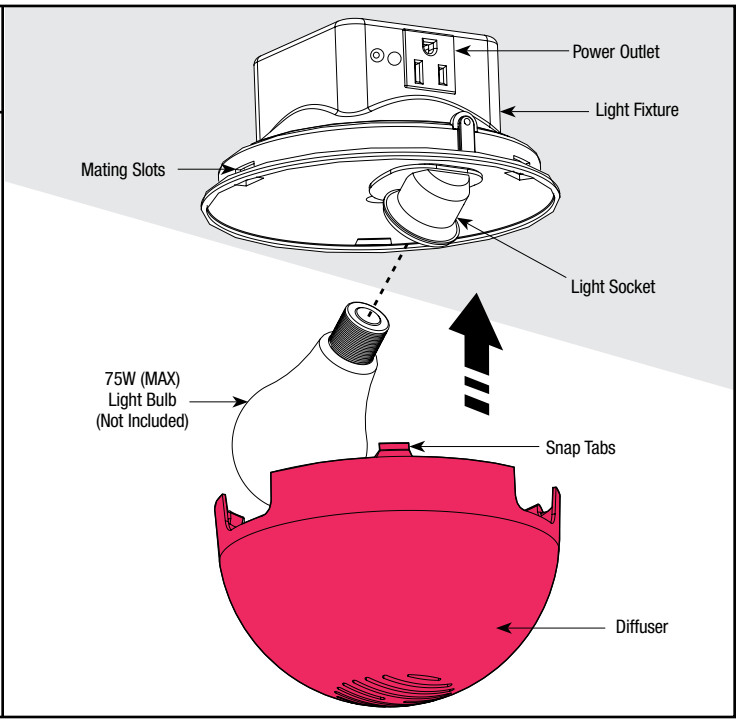
None

Screw a 75W (maximum) Light Bulb into Light Socket and snap Diffuser into Light Fixture.

When assembling Diffuser, make sure all three Snap Tabs are aligned and fully snapped into the three Mating Slots of the Light Fixture.

Turn Receptacle power back on at fuse/ breaker box. The light should blink one time when the power is turned back on.

NOTE: An accessory Power Outlet receptacle (600 Watt Maximum) is provided as part of the Light Fixture.



29

Connecting Opener Power Cord

Tools Needed:

Phillips Head Screwdriver

⚠WARNING

TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT CHANGE THE POWER CORD PLUG IN ANYWAY.

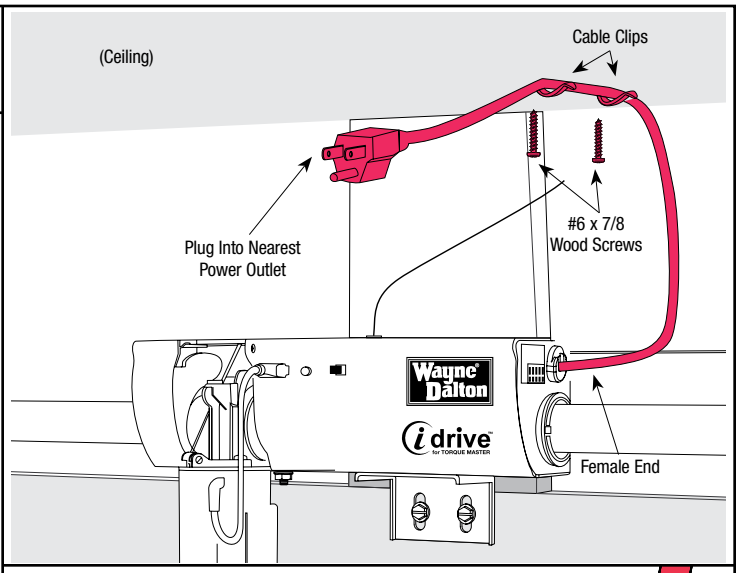
The opener can be permanently wired. To permanently wire the unit, see Permanent Wiring Option on page 33.

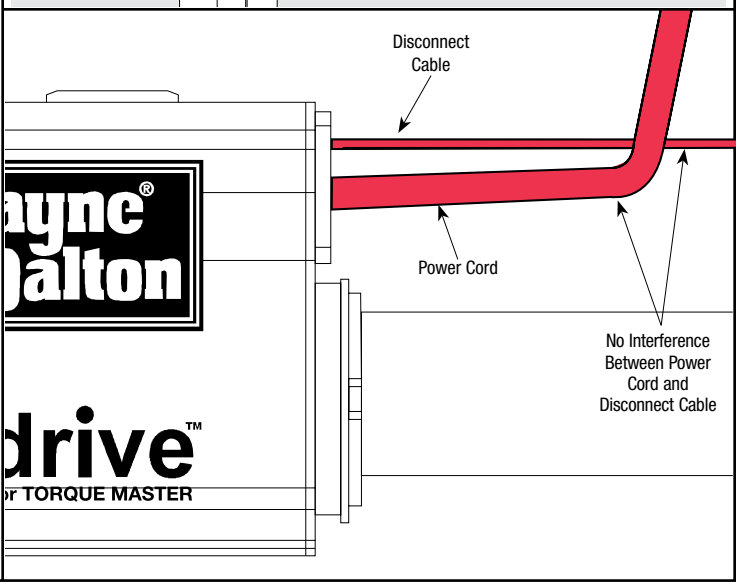
Plug the end of the Power Cord into the closest grounding type receptacle. (If the Power Cord is not long enough to reach the closest receptacle, a idrive® Powercord Extender kit is available). Otherwise, contact a service person for further options. Excess Power Cord length must be routed and contained safely away from any moving parts.

As soon as power is applied to the Opener, it should beep two times.

NOTE: Do not permanently attach Power Cord to building!

NOTE: Use only the flexible Cable Clips supplied with the Opener.





30

Safety Sensors Installation
8000 Series Doors
(Not Required On 9000 Series Doors)

Tools Needed:

Tape Measure

Power Drill

3/16" Bit

7/16" Socket Driver

7/16" Wrench

Pencil

NOTE (Per UL): Safety Sensors are required if Opener is installed on a non-pinch resistant door. If they are not required, skip this step and proceed with Step 33.

a. Select and mark with a pencil, a mounting location no more than **5 inches** above the floor to center line of Wall Mounting Bracket. The Safety Sensors should be mounted as close to the door track or inside edge of the door as possible to offer maximum entrapment protection. It is very important that both Wall Mounting Brackets be mounted at the same height for proper alignment.

Note: Use Steps a-c for installing sensors on both sides of the garage door.

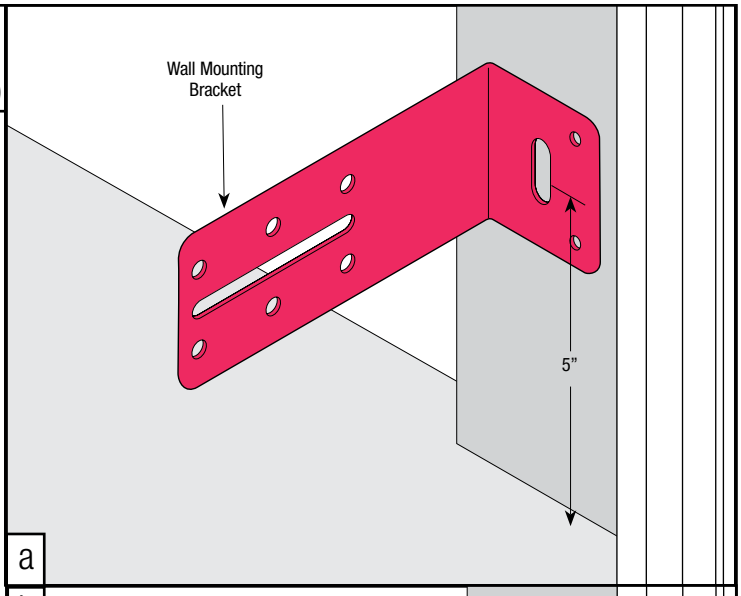
IMPORTANT! Both Wall Brackets must be mounted at the same height for proper alignment.

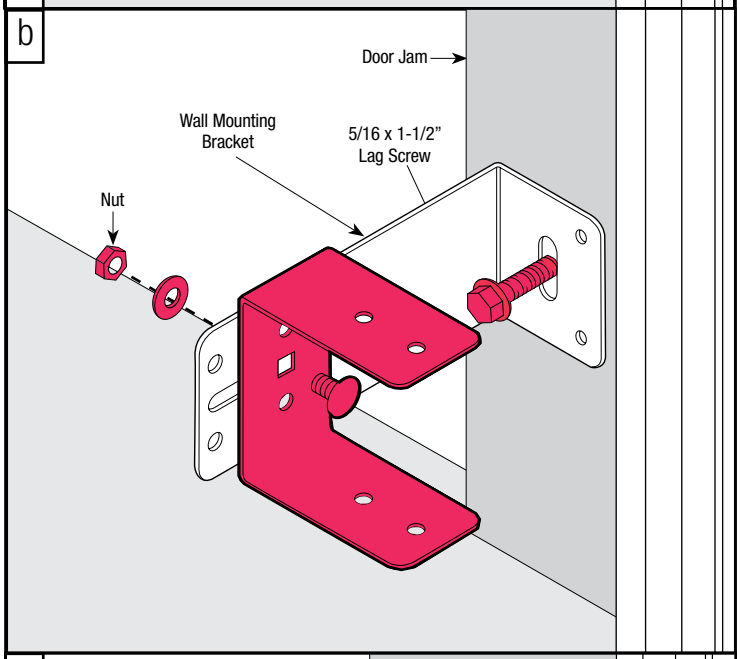
b. Drill pilot holes, using a 3/16" drill bit. Using two 5/16 x 1-1/2" Lag Screws, permanently mount the Wall Mounting Brackets to both door jambs. In some installations it may be necessary to attach a wooden spacer to the wall to achieve the required alignment.

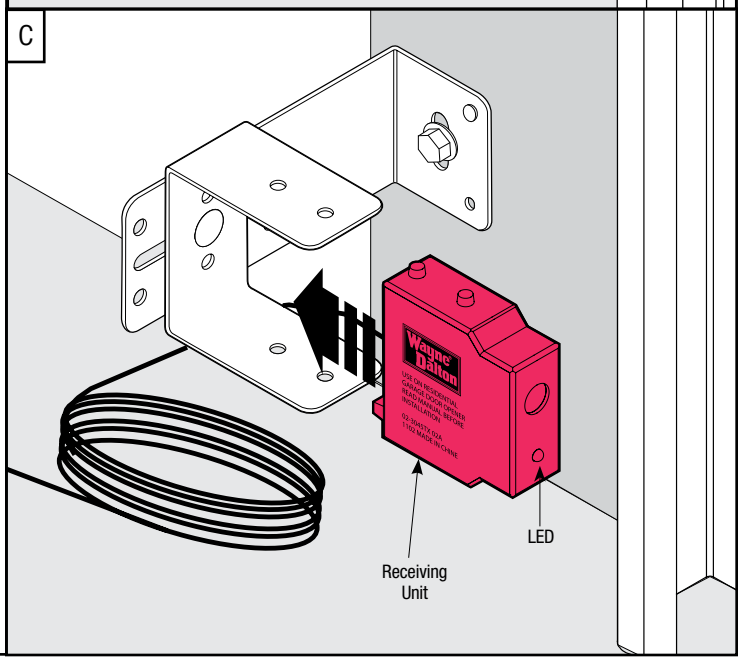
Attach the "U" Brackets to the Wall Mounting Brackets with 1/4"-20 x 1/2" Carriage Bolts, Washers and Nuts. Insert the Bolts from the inside of the "U" Bracket and hand-tighten.

c. Attach the Sending and Receiving Safety Sensors to the "U" Brackets by inserting all three tabs into the respective holes.

IMPORTANT! Identify which side of the garage door is exposed to the most sunlight. Mount the Sending Unit (Unit without LED) on the side which is exposed to the most sun. Sunlight may affect the Safety Sensors, and this orientation will help reduce the effect.







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31

Sensor Wire Installation
(Only When Required)

Tools Needed:

Flat Tip Screwdriver

Pliers/Wire Cutters

Needle Nose Pliers

a. Uncoil Wires from Safety Sensors and route Wires up garage wall and above Torque Tube towards the right side of the Opener.

Route Wires behind Torque Tube and tack Wires in place with Insulated Staples.

NOTE: If Wires must be lengthened or spliced use wire nuts or suitable connectors.

NOTE: Take care to run Wires in a location where they will not interfere with the operation of the door and do not staple through Wire.

b. Using a pair of Needle Nose Pliers, gently pull Terminal Block from right hand side of Opener. Separate Wire ends and strip about 1/2" of the insulation off each of the Wire ends.

c. Using the Flat Tip Screwdriver to loosen the screw above Hole #1 of the Terminal Block. Insert both Sender and Receiver Solid White Wires into Hole #1. Tighten the screw above Hole #1 till both sender and Receiver Solid White Wires are secured tightly. Insert both Sender and Receiver wires (white with black stripe) into Hole #2 by the same process.

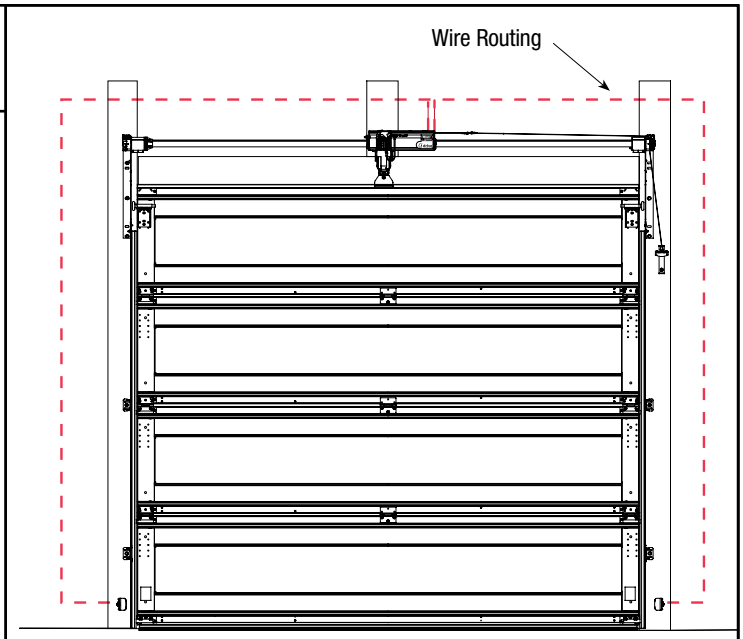
Note: One Wire has a black stripe. Be sure to observe polarity. Apply tension to external Wires to test for secure connection. Check that the Wires are stapled in place and staples have not cut Wire insulation.

d. After Wires are secured in Terminal Block, snap Terminal Block back in right hand side of Opener.

e. Keep the Safety Sensor Wires straight and organized by coiling them up around on the backside of the Opener.

f. Once Terminal Block has been snapped in, install Jumper from hardware bag on pins labeled. "P.E.", located on the front of the Opener.

IMPORTANT! Keep Sender/Receiver Wires away from moving parts.



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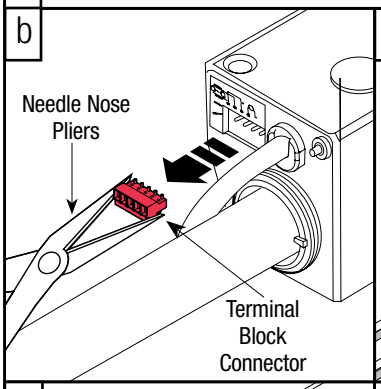
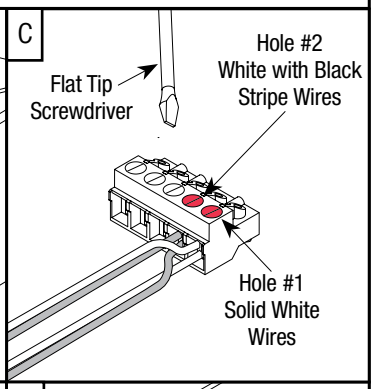
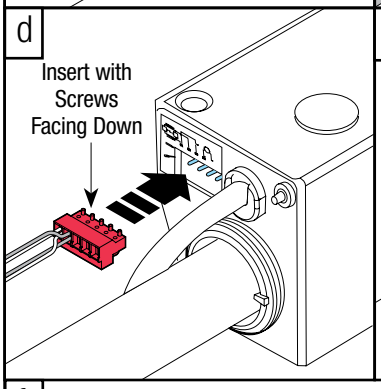
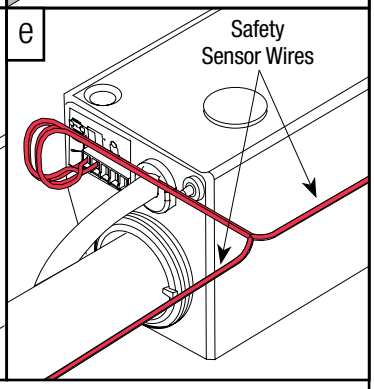
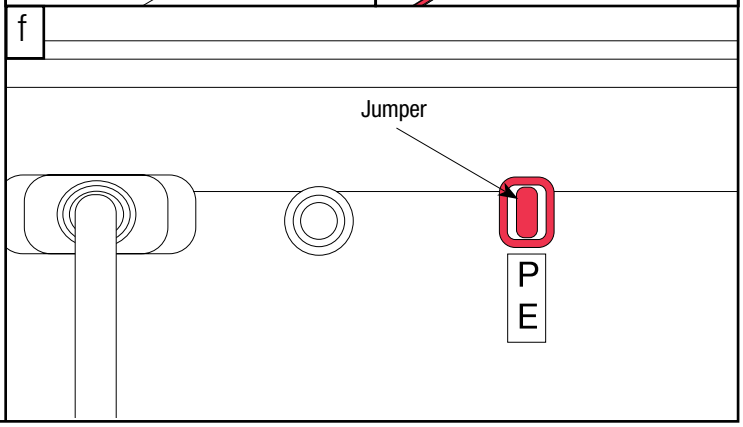










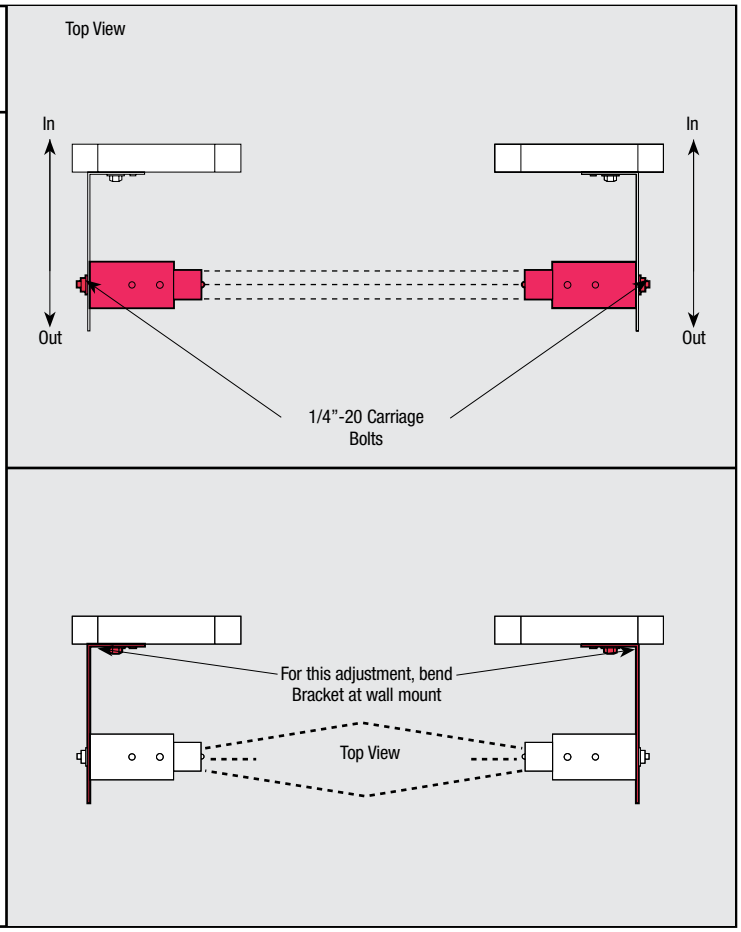
32 Safety Sensor Alignment

Tools Needed:

Pliers

Align the Safety Sensors by moving the Sending and Receiving Units in or out until the Alignment Light on the Receiving Unit comes on. The 1/4"-20 Carriage Bolt can be loosened to move the Safety Sensor in or out, as required. If you have difficulty aligning the beams, check that both Mounting Brackets are mounted at the same height and remount if necessary. Additional minor adjustments can be made by slightly bending the Mounting Brackets.

Once the Alignment Light comes on, tighten all bolts and mounting screws. Finish securing all Wires making sure not to break or open any of the conductors. Loop and secure any excess Wire.



33 Securing the Opener and Checking for Obstructions

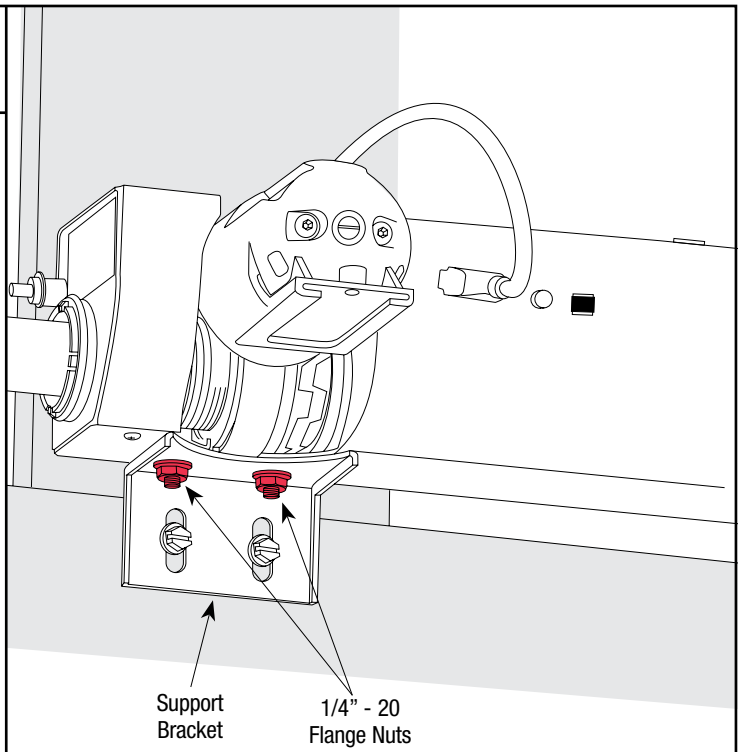
Tools Needed:

7/16" Wrench

With the Emergency Disconnect still in the manual door operated position, manually raise the door to the fully open position. Then, manually lower the door to the fully closed position verifying freedom of movement and good door balance.

Tighten both 1/4"-20 Flange Nuts, securing the Opener to the Support Bracket.

NOTE: Good door balance and freedom of movement are essential for proper Opener performance. If door is very heavy to lift, hard to close or if door sticks or binds in the track, make proper adjustments now.



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34

Programming Wall Station

Tools Needed:

None

⚠WARNING

TO AVOID POSSIBLE SEVERE OR FATAL INJURY, MANUALLY DISCONNECT THE OPENER, USING THE EMERGENCY DISCONNECT HANDLE PRIOR TO PROGRAMMING REMOTE CONTROLS.

a. Pull the Emergency Disconnect Handle to the Manual Door Operated Position (lower position).

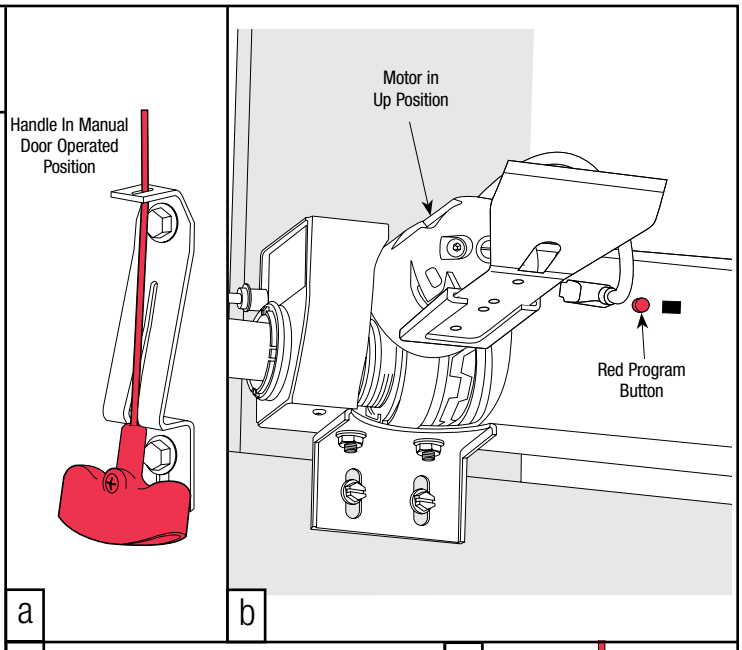
b. On the front cover of the Opener, press and release the Red Program Button; the Opener will beep once, indicating activation of the program mode. The Opener will remain in Program Mode for 30 seconds. If at the end of 30 seconds the Opener has not learned an RF device, the Opener will beep once, indicating the learn mode is no longer active.

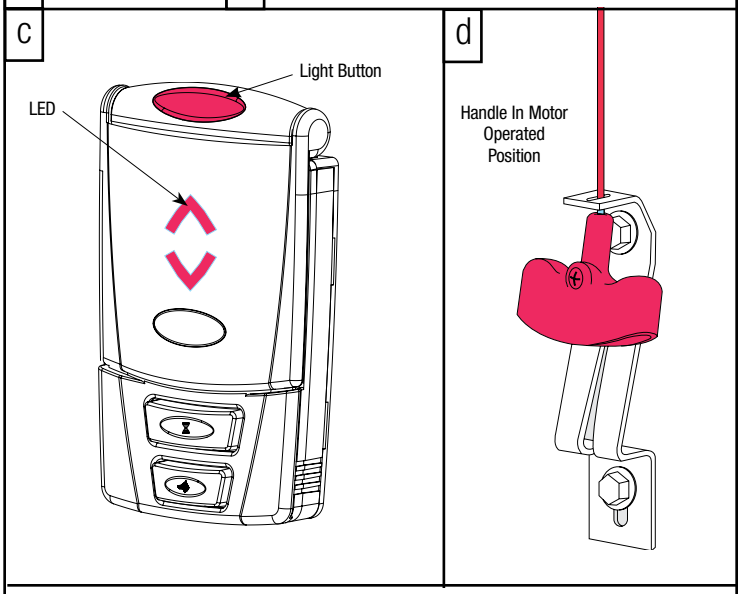
c. Press and hold the Wall Station light button until the Opener beeps once. The Wall Station is now programmed.

No beeping response from the Opener during the Wall Station programming indicates a programming failure. Repeat programming Steps a-c.

d. Return the Emergency Disconnect Handle to the Motor Operated Position (upper position).

Note: The Opener can be activated by up to six remote control devices (including Wall Station, Transmitter, and Keyless Entry Devices). If a seventh control is programmed, the first of the program controls will be overridden and will no longer activate the Opener.





35

Programming Light Fixture

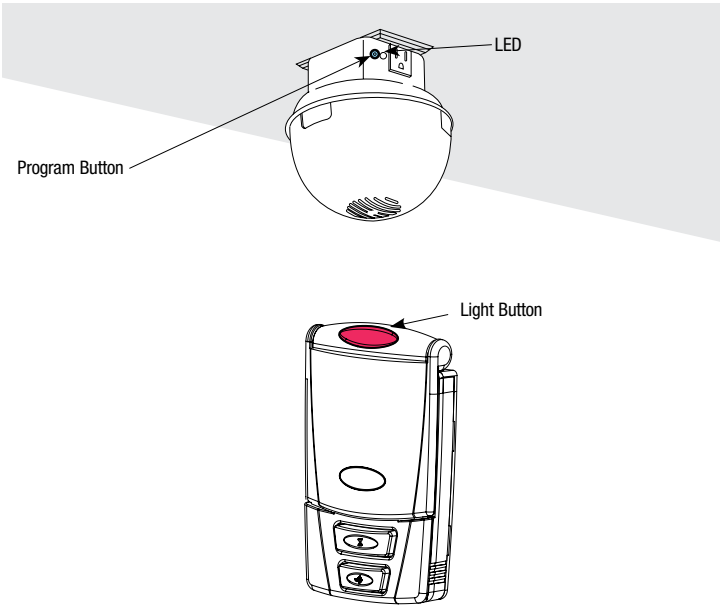
Tools Needed:

None

Press the red Program Button on the Light Fixture. The LED on the Light Fixture will turn on and remain on for 30 seconds or until a Wall Station is learned. The incandescent lamp will also turn on when Program Button is pushed.

Press the Light Button on the Wall Station. This must be done within 30 seconds of pressing the Program Button on the Light Fixture. The Light Fixture Lamp and LED will blink three times to indicate successful programming. The Light Fixture can now be turned on and off from this Wall Station.

NOTE: In order to program the Light to the Opener, the installer must have the Wall Station already programmed to the Opener.



36

Install Routine (Standard Upper Limit)

Tools Needed:

None

⚠WARNING

TO AVOID INJURY, NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR!

The install routine automatically sets the door open and close limits and calibrates obstruction sensing. During the install routine, the door will move up and down twice.

NOTE: If an object such as a ceiling beam obstructs the door from opening completely, skip this step. Set a Custom Upper Limit, see Step 37.

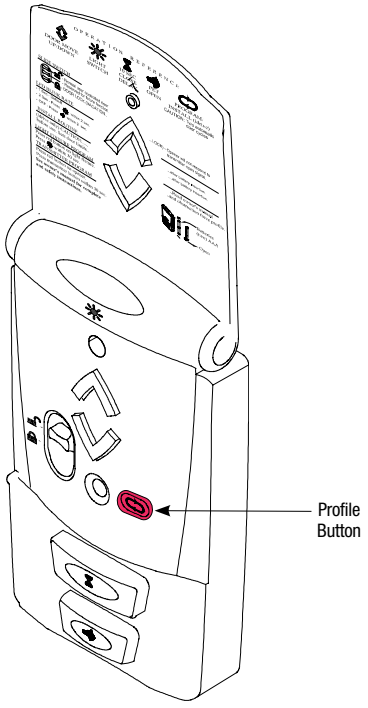
NOTE: The door must be in its fully closed position and the Disconnect Handle must be in the Motor Operated Position (upper position) to initiate the install routine.

NOTE: Install routine will not run if Safety Sensors are not aligned (only if required installation).

Press and hold the Profile Button for five (5) seconds. The Opener will beep twice, release the Profile Button, indicating the activation of the install routine. The door will now move to the fully open position and stop, beep twice and then the door will close completely.

Next, the door will go through one more up/down cycle. Once this is complete, the door limits are set and the installation is complete.

NOTE: Upon successful completion of Step 36, proceed to Step 38.



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37

Install Routine (Custom Upper Limit)

Tools Needed:

None

⚠WARNING

TO AVOID INJURY, NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR!

NOTE: If Step 36 was completed, skip this step.

NOTE: The door must be in its fully closed position and the Disconnect Handle must be in the Motor Operated Position (upper position) to initiate the install routine.

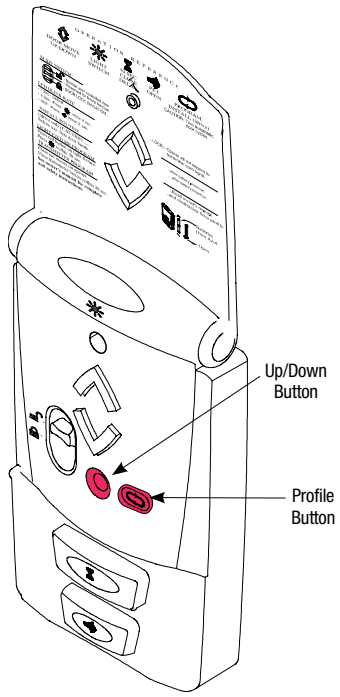
NOTE: Install routine will not run if Safety Sensors are not aligned (Only if required installation).

Press and hold the Profile Button for five (5) seconds. The Opener will beep twice, release the Profile Button, indicating the activation of the install routine.

When the door moves to the desired upper limt, press and hold the Up/Down Button on the Wall Station until the door stops. Next, the door will close completely. The Up/Down button (when unit is closed) can be activated by pressing center of flip cover.

Next, the door will go through one more Up/Down cycle. Once this is complete, the door limits are set and the installation is complete.

Alternately, once an install routine has been successfully completed, disconnect door and manually move to desired upper limit. Re-connect door and **press and hold the profile button for five (5) seconds**.. The door will close, open and close to complete the install routine with the new upper limit.



38

Adjusting Detent

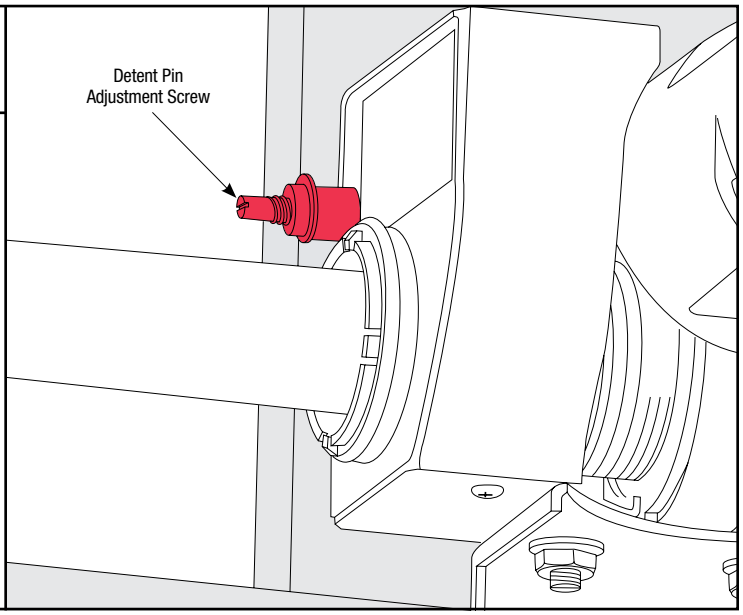
Tools Needed:

Flat Tip Screwdriver

The amount of pressure the Opener uses to pivot the Motor downward is preset at the factory via the Detent Pin Adjustment Screw.

Due to variations in door installations, a Detent Pin adjustment may need to be made in order for proper pivoting of the Motor.

IMPORTANT! For system security: the Motor is designed to pivot down after the door closes completely. If the Motor does not pivot or pivots too soon, the Detent Pin Adjustment Screw may need to be adjusted in order for the door lock feature to work properly.



Adjusting Detent (Continued)

Tools Needed:

Flat Tip Screwdriver

a. If the Motor does not pivot down, or only pivots down partially, the Detent Pin is set too hard.

Using a Flat Tip Screwdriver, turn the Detent Pin counterclockwise in 1/8 turn increments.

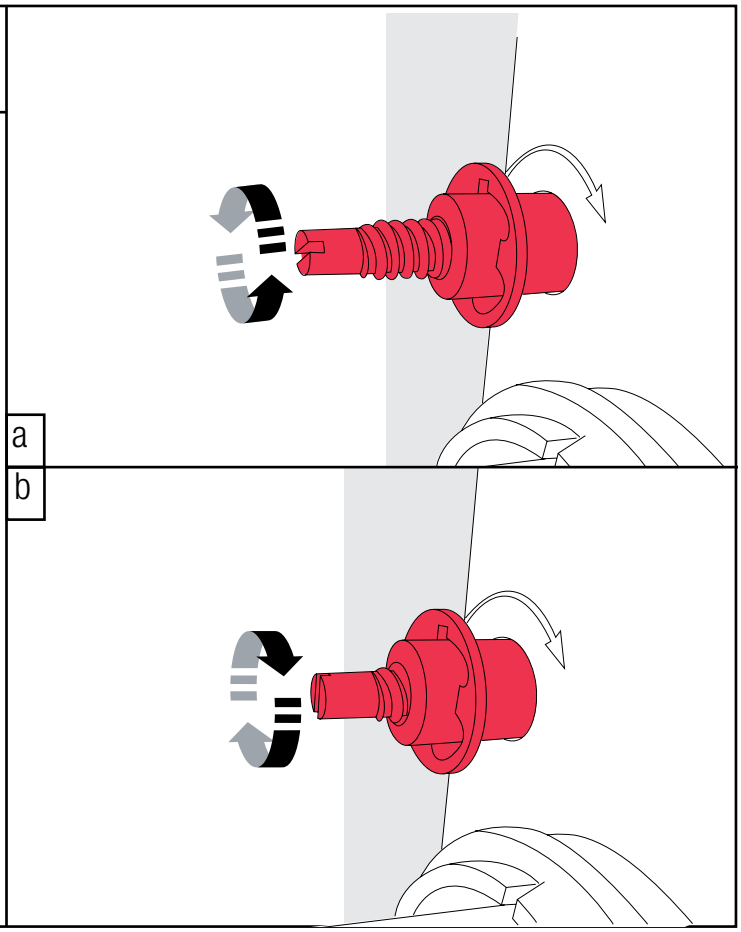
Operate the door to confirm adjustment.

Repeat procedure until Motor pivots to full down position when the door is completely closed.

b. If the Motor pivots down prematurely (before the door is completely closed) or if the Motor is "slapping" too aggressively against the top of the door, the Detent pin is set too soft.

Using a Flat Tip Screwdriver, turn the Detent Pin clockwise in 1/8 turn increments. Operate the door to confirm adjustment.

Repeat procedure until Motor pivots to full down position when the door is completely closed.



39

Lock Arm Installation

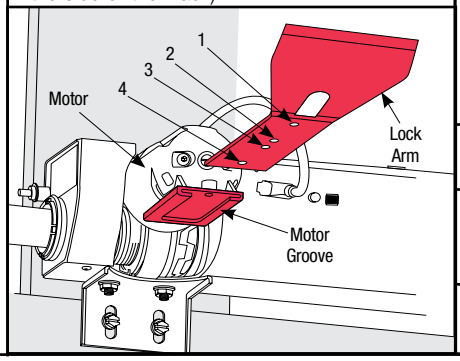
Tools Needed:

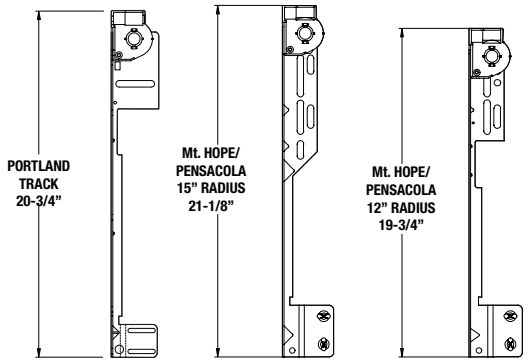
Tape Measure

NOTE: If you have a Low Headroom double track system, skip this step and continue with Step 40.

Place the Emergency Disconnect in the Manual Operated Position, Motor will pivot to the up position (see Step 19).

Insert the Lock Arm into the Motor Groove and align the proper hole depending on your Track radius. To recognize the Wayne-Dalton Track radius being used, measure the length of the Flagangle and Torquemaster® End Bracket and compare to the diagram (all Portland Tracks are stamped with radius on the side of the Track).





Lock Arm Position	Track Type WD - Mt. Hope & Pensacola PO - Portland	Track Radius	Door Model
1	WD WD PO PO	15"(380mm) 12"(305mm) 12" 10"	5500, 9700 8000, 9000, 5500 9000 Series 8000, 9000
2	PO	12"	8000 Series
3	WD PO	15"(308mm) 14"	8000, 9000 9000 Series
4	PO	14"	8000 Series

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Lock Arm Installation (Continued)

Tools Needed:

Phillips Head Screwdriver

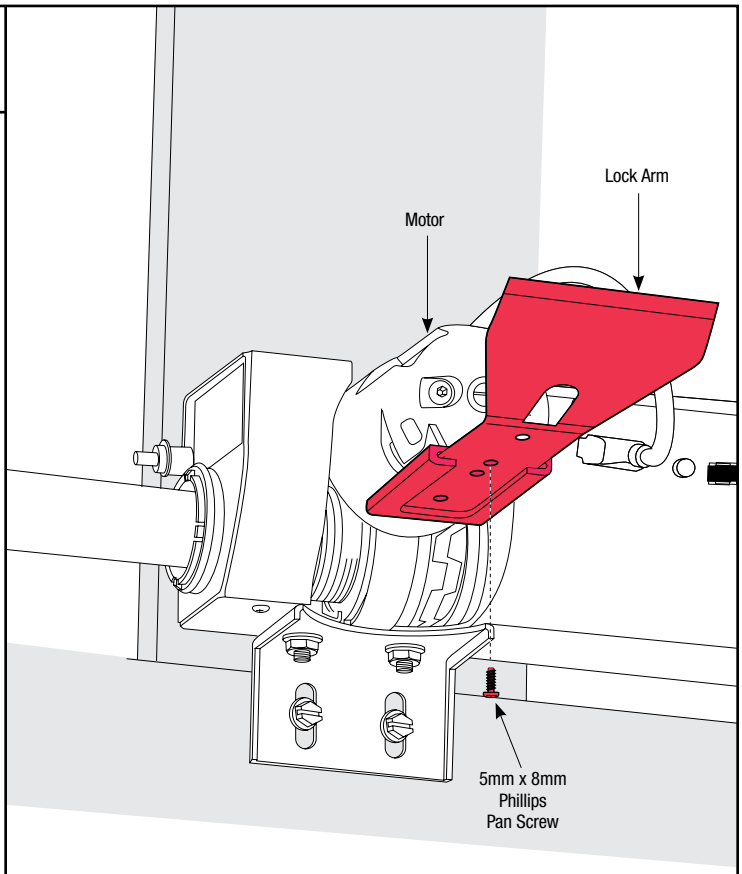
Once Track radius has been identified, secure the Lock Arm to the Motor with (1) 5mm x .8mm Phillips Pan Head Screw.

NOTE: If unsure of track radius, begin with Lock Arm in position 1.

After assembly of the Lock Arm, manually raise and lower the door and verify that the Lock Arm does not interfere with the door. If there is interference between the door and the Lock Arm, see Page 35 for Lock Arm troubleshooting.

NOTE: Do not operate the door if there is interference between the Lock Arm and the door.

Reconnect the door to the Motor operated position. Activate a Motor operated up/down cycle to confirm clearance.



40

Testing the Safety Sensors (If Installed)

Tools Needed:

6" Height Object

⚠WARNING

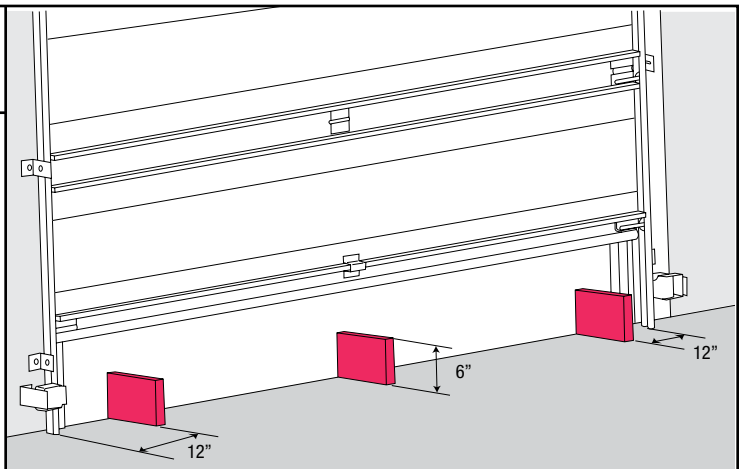
WHEN PERFORMING THIS PART OF THE TEST, DO NOT PLACE YOURSELF UNDER DESCENDING DOOR, OR SEVERE OR FATAL INJURY MAY RESULT.

Starting with the door fully open, place a 6" high object on the floor, in line with sensors, one foot from the left side of the door.

Activation of the Opener with the Wall Station Up/Down Button should cause the door to move no more than one foot, stop and then reverse to fully open position.

Repeat this test with the 6" high object placed at the center of the door and then one foot from the right side of the door.

The 6" high object, when placed on the floor in line with sensors, while door is closing, should also cause the door to reverse.



⚠WARNING

IF OPENER DOES NOT RESPOND PROPERLY TO THESE TESTS (STEPS 40 AND 41), HAVE A QUALIFIED SERVICE PERSON MAKE NECESSARY ADJUSTMENTS/REPAIRS, OR SEVERE OR FATAL INJURY COULD RESULT FROM OPERATING THE DOOR/OPENER.

41

Contact Obstruction Test

Tools Needed:

2 x 4 Board

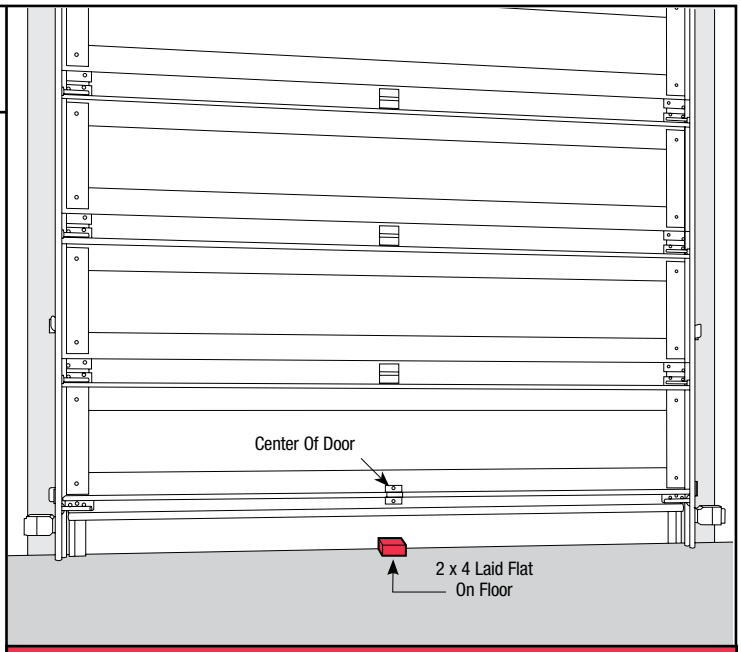
After installing the Opener, the door must reverse when it contacts a 1-1/2" high object (or a 2 x 4 board laid flat) on the garage floor.

Using the Wall Station, activate the door to the fully open position.

Place a 2 x 4 board flat on the garage floor, under the door path.

Activate the door to the closed position with the Wall Station. Upon contacting the 2 x 4 board, the door should stop, then reverse direction within two seconds and travel to the full open position.

If the door does not respond to the required tests, repeat install routine Step 36 or 37, making sure the door is in the fully closed position prior to activation.



⚠WARNING

IF OPENER DOES NOT RESPOND PROPERLY TO THESE TESTS (STEPS 40 AND 41), HAVE A QUALIFIED SERVICE PERSON MAKE NECESSARY ADJUSTMENTS/REPAIRS, OR SEVERE OR FATAL INJURY COULD RESULT FROM OPERATING THE DOOR/OPENER.

42

Programming Transmitter

Tools Needed:

None

⚠WARNING

TO AVOID POSSIBLE SEVERE OR FATAL INJURY, MANUALLY DISCONNECT THE OPENER, USING THE EMERGENCY HANDLE PRIOR TO PROGRAMMING REMOTE CONTROLS.

a. Pull the Emergency Disconnect Handle to the Manual Door Operated Position (lower position).

b. On the front cover of the Opener, press and release the Red Program Button: The Opener will beep once, indicating activation of the program mode. The Opener will remain in program mode for 30 seconds. If at the end of 30 seconds the Opener has not learned an RF device, the Opener will beep once; indicating the learn mode is no longer active.

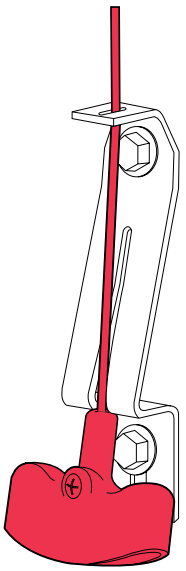
c. Press and hold the desired Transmitter button until the Opener beeps once. The Transmitter is now programmed.

No beeping response of the Opener during the Transmitter programming indicates a programming failure. Repeat programming procedure b and c.

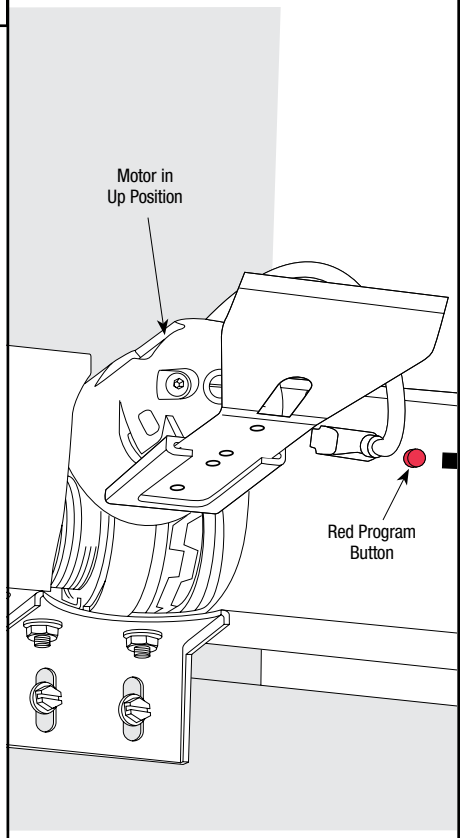
d. Return the Emergency Disconnect Handle to the Motor Operated Position (upper position).

NOTE: The first Transmitter command after programming will only move the door through a six inch up/down cycle. Normal door operations will occur on the second use of the Transmitter.

Manual Operated Position

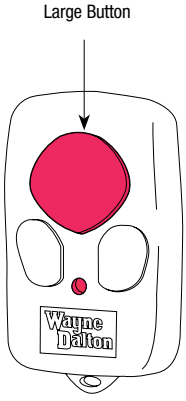


a

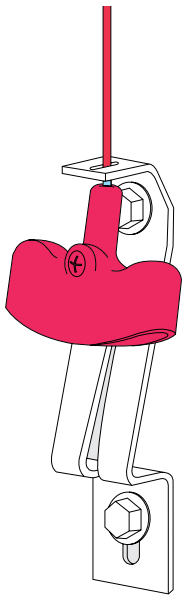


b

c



d **Motor operated position**



IMPORTANT SAFETY INSTRUCTIONS

⚠WARNING
TO REDUCE THE RISK OF SEVERE INJURY OR DEATH:

1. READ AND FOLLOW ALL INSTRUCTIONS.

2. Never let children operate or play with the door controls. Keep remote controls away from children.

3. Always keep a moving door in sight and keep people and objects away until it is completely closed. NO ONE SHOULD CROSS THE PATH OF A MOVING DOOR.

4. NEVER GO UNDER A STOPPED, PARTIALLY OPEN DOOR.

5. Test the Door/Opener monthly. The garage door MUST reverse on contact with a 1-1/2 inch high object (or a 2 x 4 board laid flat) on the floor. The door MUST also reverse when a 6" high object is placed on the floor in line with safety sensors. If Door/Opener fails these tests, have adjustments/repairs made immediately. Failure to make adjustments/repairs may cause severe or fatal injury.

6. When possible, use the Emergency Disconnect only when the door is in the closed position. Be very cautious using the Emergency Disconnect when the door is open. Weak or broken spring(s) may allow the door to fall rapidly, causing a severe or fatal injury.

7. KEEP THE GARAGE DOOR PROPERLY BALANCED. See the owner's manual included with the door. An improperly balanced door could cause a severe or fatal injury. Have a qualified service person make repairs to the cables, spring assemblies, and other hardware.

8. SAVE THESE INSTRUCTIONS.

Door activation:

Upon activation by either the Wall Station Up/Down Button or Transmitter, the door will move in the following manner:

1. If closed, the door will open. If open completely, the door will close. If partially open, the door will close.

2. If closing, the door will stop, reverse, and return to the open position. Next activation will close the door.

3. If opening, the door will stop. Next activation will close the door.

4. If an obstruction is encountered or an out-of-balance condition is detected while the door is closing, the door will reverse, return to the open position, and the Opener will beep 3 or 4 times. The next activation will close the door.

5. If an obstruction is encountered or an out-of-balance condition is detected while opening the door, the door will stop. The next activation will close the door.

6. When door is in motion any button on the Wall Station functions the same as the Up/Down Button.

⚠WARNING

ALWAYS KEEP MOVING DOOR IN SIGHT AND KEEP PEOPLE AND OBJECTS AWAY UNTIL IT IS COMPLETELY CLOSED. TO PREVENT A SEVERE OR FATAL INJURY, AVOID STANDING IN A OPEN DOOR WAY OR WALKING THROUGH THE DOORWAY WHILE THE DOOR IS MOVING.

⚠WARNING

NEVER LET CHILDREN OPERATE DOOR OR PLAY WITH THE DOOR CONTROLS. KEEP REMOTE CONTROLS AWAY FROM CHILDREN. FATAL INJURY COULD RESULT SHOULD A CHILD BECOME TRAPPED BETWEEN THE DOOR AND FLOOR.

⚠WARNING

KEEP THE GARAGE DOOR PROPERLY BALANCED. AN IMPROPERLY BALANCED DOOR COULD CAUSE SEVERE OR FATAL INJURY. HAVE A QUALIFIED SERVICE PERSON MAKE ADJUSTMENTS/REPAIRS TO CABLES, SPRING ASSEMBLIES, AND OTHER HARDWARE.

Emergency Disconnect:

⚠WARNING

THE EMERGENCY DISCONNECT SHOULD ONLY BE USED WHEN DOOR IS CLOSED. USE EXTREME CAUTION IF OPERATING THE EMERGENCY DISCONNECT ON AN OPEN DOOR. WEAK OR BROKEN SPRING(S) MAY ALLOW THE DOOR TO FALL RAPIDLY, CAUSING SEVERE OR FATAL INJURY.

The Opener is equipped with an Emergency Disconnect that allows the door to be moved manually and independently from the Opener.

With the door closed, pull down on the Disconnect Handle and place the Handle under the lower section of the Handle Bracket. This motion causes the motor on the Opener to pivot upwards and the Opener to disconnect from the Torque Tube.

Releasing the Disconnect Handle from the lower section on the Handle Bracket and returning the Handle to its original position will reconnect the Opener to the Torque Tube.

NOTE: The Motor will not pivot down completely when the Handle is released. After one motorized up/down door cycle, the motor will once again pivot down, and all cable slack will be taken up. The garage door is not secured from forced entry until the Motor is back in the down position.

Disconnect Label: The Label is located next to the Disconnect Handle. The Label shows the Handle in both the Motor Operated and Manual Operated Positions. View on the left side of the Label shows the Handle position when the Opener is engaged to the Torque Tube. The view on the right side of the Label shows the Handle when the Opener is disconnected from the Torque Tube.

Operating the Wireless Wall Station

Up-Down Button:

Momentarily pressing the Up/Down Button activates the door. If an out-of-balance condition causes the door to stop while opening or reverses the door while closing, apply constant pressure to the Up/Down Button until the door is fully open or closed. This will allow the Opener to move the door in an out of balance condition, until the problem is corrected (see Troubleshooting). The Up/Down Button (when unit is closed) can be activated by pressing flip cover.

⚠WARNING

THE SEVERE OUT-OF-BALANCE CONDITION MUST BE CORRECTED IMMEDIATELY. FAILURE TO MAKE ADJUSTMENTS/REPAIRS, COULD RESULT IN SEVERE OR FATAL INJURY.

Light Button:

Momentarily pressing the Light Button turns on the Light Fixture. The Light Fixture will remain on until either the Light Button is pressed again or the door is activated. The Light Fixture automatically turns on with a door activation and remains on for five minutes. Pressing the Light Fixture Button before the five minutes has elapsed will turn off the light fixture. While the door is in motion, the Light Button functions identically as the Up/Down Button, stopping or reversing the door immediately.

Timer Button:

Momentarily pressing the Timer Button causes a delayed activation of a stationary fully open door. The Opener will signal seven beeps (approx. 8 seconds) then beep constantly for two seconds prior to closing the door, allowing time to exit the garage when the Opener is in the timer mode. Pressing any button, except for the Profile Button while the Opener is beeping cancels the timer mode.

NOTE: The Timer feature will only function with the door in the full open position. Pressing the Timer Button with a stationary door in any other position will cause the Opener to beep four times and the door will not be activated.

While the door is in motion, the Timer Button functions identically as the Up/Down Button, stopping or reversing the door immediately.

Slide Switch:

The Slide Switch has two positions: Normal, and Door lock.

Normal position:

Move the Slide Switch to Normal position for all normal functions of the Opener. The Normal position will cancel the Door Lock feature.

NOTE: When the Slide Switch is moved to the unlocked position the Opener will beep once.

Door Lock position:

If the door is stopped (fully open, fully closed or partially open) move the Slide Switch to the Door Lock position to suspend all normal functions of the Opener. The Opener will remain completely disabled and non-operational in this mode. All Wall Stations, Transmitters and Keyless Entry Units are ignored until the Slide Switch is moved to the Normal position. If the door is moving when the Slide Switch is moved to the Door Lock position, the Door Lock mode is not activated and all functions of the Opener remain active.

NOTE: When the Slide Switch is moved to the locked position the Opener will beep twice.

Backlit LED Lights:

The Up/Down arrows' backlit red LED blink intermittently to help you locate the Wall Station in a dark garage. This blink rate can be changed for longer battery life or can be turned off. The default blink rate is one blink per second. For longer battery life the blink rate can be changed to blink once every two seconds. To change the blink rate, remove the battery cover and remove one battery. Re-install the battery and within 2 seconds, press the Light button. Re-install the battery cover.

For longest battery life, the blink can be turned off. To turn off the blink, remove the battery cover and remove one battery.

Re-install the battery and within 2 seconds, press the Pet button. Re-install the battery cover**.**

NOTE: The Wall Station's arrow LED will light while any Wall Station button remains pressed.

Pet Position:

Pressing the Pet Button opens a closed door to a preset position between eight and thirty inches above the floor, allowing pets to enter and exit the garage without the door being fully open. The door must be fully closed to activate the pet open feature. Pressing the Pet Button with a stationary door in the pet open position will cause the door to close. Pressing the Up/Down Button while the door is in the pet position will cause the door to open. While the door is in motion, the pet button functions identically to the Up/Down Button, stopping or reversing the door immediately. The pet feature allows for custom setting of the pet position door height. See Customizing the Settings on page 31.

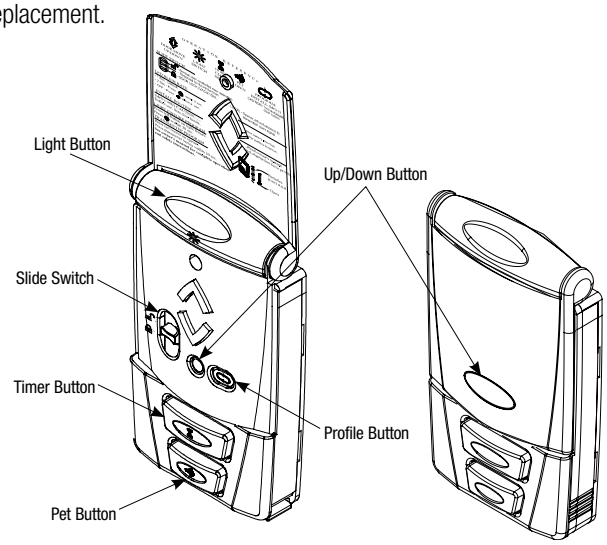
NOTE: A door in the "pet position" (open 8-30 inches) is not locked and should not be used as a secured door position.

Profile Routine:

Press and hold the Profile Button for 5 seconds to initiate the "Install Routine". See Customizing the Settings on page 31.

NOTE: Refer to Step 34 for Wall Station programming instructions.

NOTE: The Wall Station arrows' LED will light while any Wall Station button remains pressed. See Maintenance section for battery replacement.



Programming HomeLink® System to the Torquemaster® idrive® (Primary)

NOTE: This step can only be done on automobiles equipped with the HomeLink® System.

NOTE: Programming HomeLink® requires a Wayne-Dalton Transmitter that is programmed to the Torquemaster® idrive® per Step 42.

IMPORTANT: Use the programming instructions provided with your vehicle first. Follow these instructions if the HomeLink® unit does not learn the Transmitter, when using the vehicle's instructions.

NOTE: If Primary Programming does not work then use the Alternate Procedure on next page.

Note: Vehicle may need to be in accessory position when programming. Check car owner's manual.

Note: HomeLink® is a registered trademark of Johnson Controls.

Programming/Training HomeLink® Unit

⚠WARNING

GARAGE DOOR MAY OPERATE DURING PROGRAMMING. TO AVOID POSSIBLE SEVERE OR FATAL INJURY, PLACE THE EMERGENCY DISCONNECT HANDLE IN THE MANUAL OPERATED POSITION.

1. Pull the Manual Disconnect to put the opener in the disengaged position.
2. Verify the HomeLink® unit has an empty channel – press the desired HomeLink® button and observe the LED – if it flashes slowly, the channel is empty and ready for programming. If pressing the desired channel/button causes the LED to blink rapidly, or come on without blinking this channel is already programmed. You either need to choose a different channel/ button on the HomeLink®, or perform Step 3 below.
3. **OPTIONAL** – To completely clear all channels on the HomeLink® unit, press and hold the two outside buttons on the HomeLink® unit until the HomeLink® LED light begins to flash rapidly (approx. 20 seconds), then release both buttons. (Do not perform this step to train additional hand-held transmitters.) **Note:** This operation erases all previously learned transmitters and you will need to re-teach any other transmitters to your HomeLink® unit.
4. Hold the end of the Wayne®Dalton hand-held transmitter approximately 1 to 3 inches away from the HomeLink® surface – keeping the HomeLink® LED light in view.
5. Press and hold the desired HomeLink® channel/button – LED should flash slowly (indicating empty channel). Continue holding the HomeLink® button, and press and hold the desired button on the Wayne®Dalton transmitter for approximately 3-5 seconds. The HomeLink® LED should now blink rapidly, indicating a successful learn operation. Release both buttons. Verify transmitter has been learned by pressing the HomeLink® used to learn the transmitter; HomeLink® LED will come on without flashing or flash rapidly indicating a successful learn. Proceed to step 6 below.

Note: If this procedure is unsuccessful, perform Alternate procedure on next page.

Teaching HomeLink® to the idrive® Opener

6. Press and release the red program button on the idrive® opener. The idrive® unit will beep once, indicating that it is ready to learn.

Note: The idrive® will remain in the learn mode for 30 seconds.

7. Press the HomeLink® button used in Step 5 above for 1 to 3 seconds. The idrive® will beep indicating a successful learn.
8. Return the Manual Disconnect to the engaged position.
9. Press the HomeLink® button once more to operate the door.

Note: The first transmitter command after programming will only move the door through a six inch up/down cycle. Normal door operations will occur on the second use of the transmitter.

Programming HomeLink® System to the Torquemaster® idrive® (Alternate)

NOTE: This Step can only be done on automobiles equipped with the HomeLink® System.

NOTE: Programming HomeLink® requires a Wayne-Dalton Transmitter that is programmed to the Torquemaster® idrive® per Step 42.

IMPORTANT: Use the programming instructions provided with your vehicle first. Follow these instructions if the HomeLink® unit does not learn the Transmitter, when using the vehicle's instructions.

Note: Vehicle may need to be in accessory position when programming. Check car owner's manual.

Note: HomeLink® is a registered trademark of Johnson Controls.

Programming/Training HomeLink® Unit

⚠WARNING

GARAGE DOOR MAY OPERATE DURING PROGRAMMING. TO AVOID POSSIBLE SEVERE OR FATAL INJURY, PLACE THE EMERGENCY DISCONNECT HANDLE IN THE MANUAL OPERATED POSITION.

1. Pull the Manual Disconnect to put the opener in the disengaged position.
2. Press and hold the two outside buttons on the HomeLink® unit until the HomeLink® light begins to flash rapidly (approx. 20 seconds), then release both buttons. (Do not perform this step to train additional hand-held transmitters.) **Note:** This operation erases all previously learned transmitters and that you need to re-teach any other transmitters to your HomeLink® unit by repeating steps 3 - 6 below.
3. Hold the end of the Wayne®Dalton hand-held transmitter approximately 1 to 3 inches away from the HomeLink® surface – keeping the HomeLink® indicator light in view.
4. Press and hold the Wayne®Dalton hand-held transmitter's large center button. Ensure the transmitter has been taught to the opener.
5. The transmitter's red Light Emitting Diode (LED) will turn on and after 10 seconds flash on and off, immediately press desired Homelink® button, DO NOT release the Wayne®Dalton transmitter button.
6. The HomeLink® indicator light will be blinking during the training operation. When the HomeLink® indicator light flashes rapidly or turns off (approx. 5 to 60 seconds), both buttons may be released. The HomeLink® indicator light flashing rapidly or turning off indicates successful programming of the new frequency signal.

Teaching HomeLink® to the idrive® Opener

7. Press and release the red program button on the idrive® opener. The idrive® unit will beep, indicating that it is ready to learn.

Note: The idrive® will remain in the learn mode for 30 seconds.

8. Press the HomeLink® button used in Step 5 above for 1 to 3 seconds. The idrive® will beep indicating a successful learn.
9. Return the Manual Disconnect to the engaged position.
10. Press the HomeLink® button once more to operate the door.

Note: The first transmitter command after programming will only move the door through a six inch up/down cycle. Normal door operations will occur on the second use of the transmitter.

Customizing the Settings

Custom pet position:

Normal install routine sets the pet position to approximately 8 inches above the ground. The pet opening height may be changed to open anywhere between 8" and 30" above the ground. To change the automatic pet opening height refer to the following procedure:

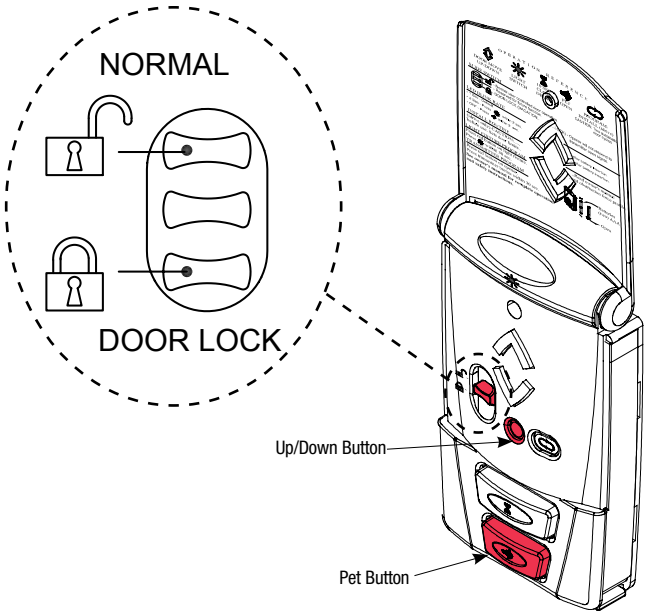
a. After completion of the normal install routine, with the door in the closed position, place the Disconnect Handle in the Manual Operated Position.

Manually position the door to the desired pet opening height (between 8" and 30" above ground) and return Disconnect Handle to the Motor Operated Position.

b. Move the Slide Switch from the NORMAL (Unlock) position to the DOOR LOCK (Lock) position and then back to the NORMAL (Unlock) position. The Opener will beep once. The Pet Button is now programmed to automatically open the door to this custom height.

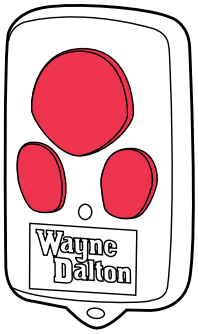
NOTE: The Opener will NOT accept programmed pet lock position if door is below 8" or higher than 30".

NOTE: Activation of the normal install routine will reset the pet position to the default 8" target height. For use of the Pet Button see Operation section.



Multi-Door Programming:

Momentarily pressing the button programmed in the Transmitter Programming Step activates the door. Other buttons can also be programmed to activate different doors, for multi-door installations. Each button or a combination of two buttons pressed simultaneously can be programmed to activate a different door. Only one button at a time can be programmed to activate a specific Opener. The Transmitter LED will light while any Transmitter button remains pressed.



Custom Upper Limits

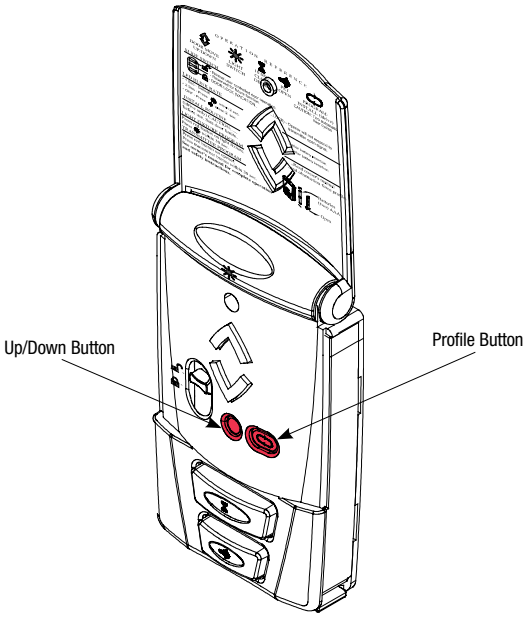
Disconnect door and manually move it to the desired upper limit. Reconnect door.

Press and hold the Profile Button for 5 seconds. The Opener will beep twice, indicating the activation of the install routine. The door will now move to the closed position. Then, the door will open to the new upper limit.

Next, the door will go down to the closed position. Once this is complete, the door limits are set and the installation is complete.

For more profile options go to page 21 and 22.

NOTE: Before performing custom upper limit, first profile must be done from closed position.



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Customizing the Settings (Continued)

Erasing Remote Controls:

Caution: Manually disconnect the door from Opener using the Emergency Disconnect Handle prior to erasing remote controls.

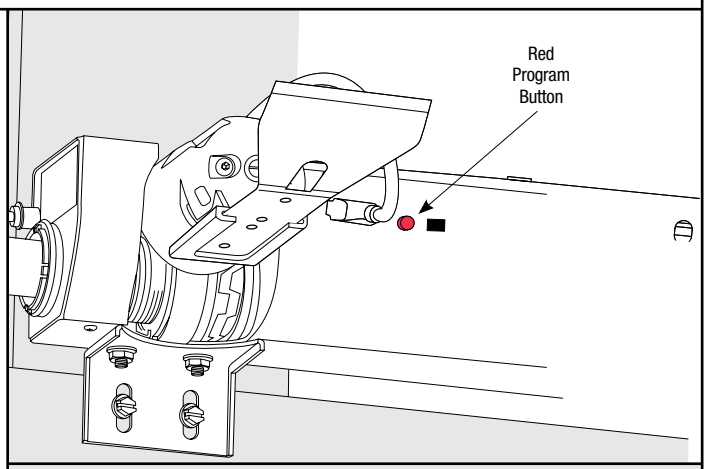
To clear programming of all remote control devices, press and hold the Opener's Red Program Button for approximately 10 seconds. When the Opener beeps 3 times, all remote controls are erased.

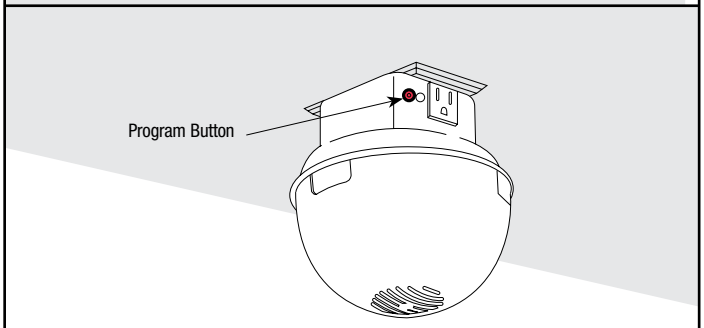
Multi Opener Light Control:

A single Light Fixture can be controlled by up to 6 Openers. Follow the procedure outlined on Step 36 to program additional Openers.

Erasing Light Fixtures:

To clear programming of all Openers from a Light Fixture, press and hold the Light Fixture Program Button for approximately 10 seconds. When the Light Fixture lamp and LED flash 6 times, all Openers are erased.





Maintenance

Monthly Maintenance:

1. Lubricate hinges and rollers of garage door.

2. Inspect the door for loose fasteners, worn or frayed counterbalance cables and the presences of legible safety labels/ tags. Have repairs made by a qualified service person. Contact customer assistance for safety labels/ tags.

3. With door fully closed, move the Emergency Disconnect to the manual door operated position and manually operate door. If the door feels unbalanced or binds, have a qualified service person make necessary adjustments or repairs to the door.

4. Perform the contact/obstruction tests. See Steps 40 and 41 for the contact/obstruction test instructions. If Door/Opener fails Contact/Obstruction Test run install routine Steps 36 and 37 making sure door is completely closed prior to activation. If Opener still fails, have a qualified service person make adjustments/repairs or this could result in severe or fatal injury.

5. Failure of Door/Opener to respond to Transmitter or Wall station may be due to a weak or dead battery. Press and hold the Activation Button on either the Transmitter or the Wall Station. If the LED does not light, this is an indication that the battery is weak or dead. Replace the battery.

Battery Replacement for Wall Station:

Remove the Battery Cover completely (right-hand side of Wall Station) by disengaging the Battery Cover's lower clip. Install two AAA batteries into the Wall Station observing the polarity, (+) and (-), of both batteries. After a few seconds, the Up/Down red LEDs will begin to blink every one second. If it is desired to slow the LED blink rate refer to the wall station operation section on page 28 "Backlit LED Lights". Re-install the Battery Cover by first inserting its top into the Wall Station then inserting and securing its bottom.

Note: Use only 2 AAA batteries.

Battery Replacement for Transmitter:

Insert a coin in the coin slot of the Transmitter and twist coin to access the dead battery. Replace the battery, being careful to match the positive (+) symbols on the circuit boards with the battery.

Note: Some transmitters use 2 CR2016 or equivalent batteries, while others use a single MN21 or equivalent battery.

Note: Dispose of dead batteries properly.

Power Connection — Permanent Wiring Option

If required by local codes, the opener can be permanently wired. Services of a licensed electrician should be obtained, to permanently wire the Unit. Disconnect electrical power at fuse/breaker box.

⚠WARNING

TO AVOID ELECTRICAL SHOCK, DISCONNECT POWER AT FUSE/ BREAKER BOX BEFORE PROCEEDING.

a. Using a phillips head screwdriver, remove the two screws from the right hand cover and unplug motor power cable. Remove right hand cover from the opener to expose electronics and wiring.

b. Remove potentiometer gear. Unsnap the circuit board from the chassis stand-offs and lower the circuit board as shown.

NOTE: Do not disconnect the two ground wires (A & B) from the circuit board or the chassis.

c. Using pliers, compress 3 snaps of the strain relief fitting inside the chassis and push fitting out of the chassis. Cut opener power cord to a length that will leave 6" inside of the junction box.

d. Route opener power cable through the conduit. Strip 2 to 3 inches of outer jacket off power cable, insuring individual wire insulation is not nicked or cut. Strip approximately 3/4" of insulation off each individual wire. Using wire nuts, splice each conduit wire with the corresponding wire inside the opener as follows: opener black (line), opener white (neutral), and opener yellow and green (ground).

NOTE: Select 1/2" conduit fitting/ J-box that will not interfere with the opener disconnect cable fittings when disconnect is pulled.

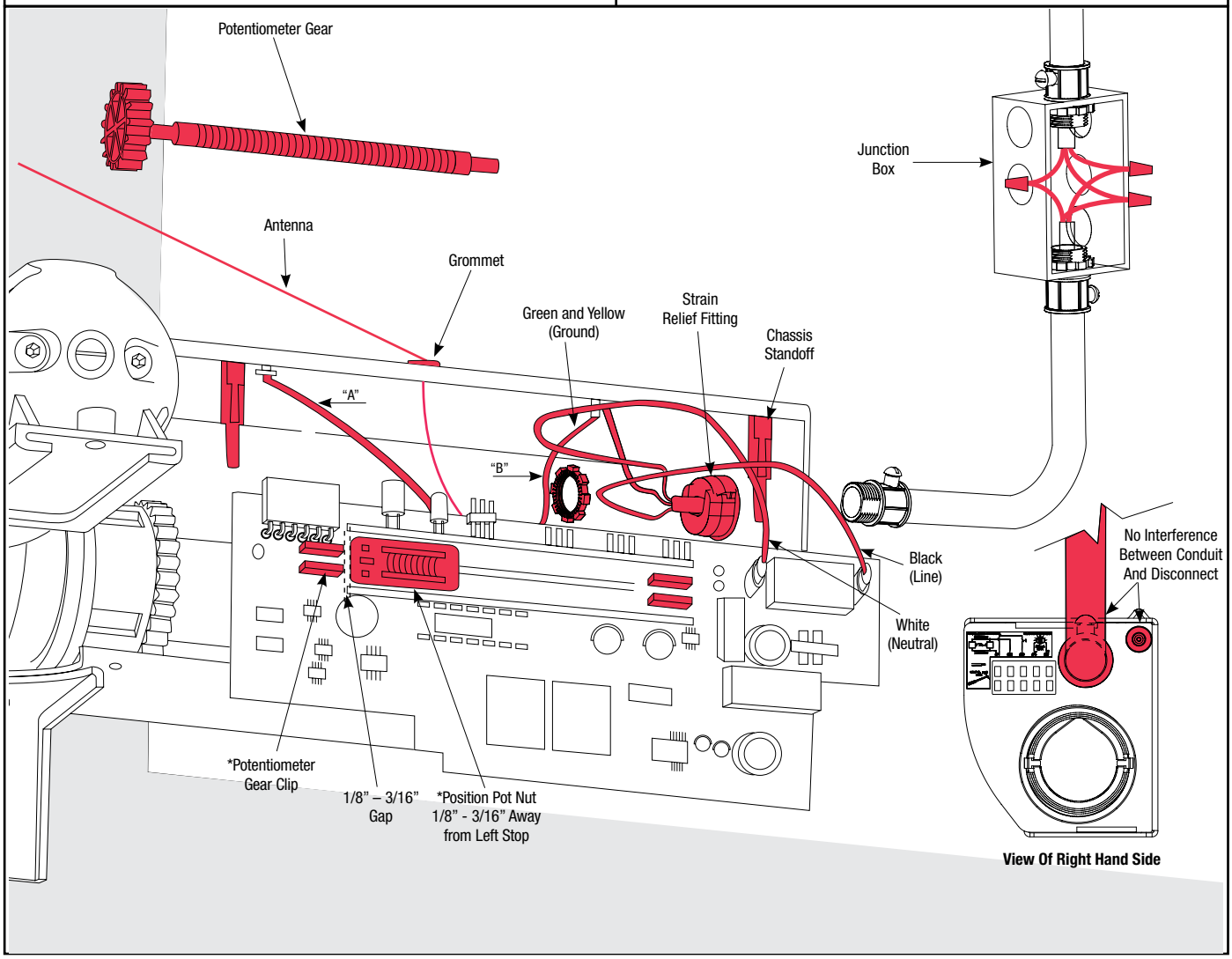
e. Reinstall the circuit board back into the opener chassis and snap the board back into the chassis stand-offs.

NOTE: Make sure antenna wire is routed through the chassis grommet and angled 45 degrees to right when board is installed.

f. Confirm pot nut position* shown below.

g. Reinstall the potentiometer gear, right hand cover, and screws.

h. Reconnect Power



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Troubleshooting

Symptom	Probable Cause	Corrective Action
Opener does not respond to the Wall Station or Transmitter.	No power to the Opener. Controls are not programmed.	Check the Opener Power Cord to outlet connection. See Activation and Programming section.
Opener works from the Wall Station but not from the Transmitter.	Transmitter is not programmed. Weak or dead Transmitter battery.	See Activation and Programming section. See Maintenance section for battery replacement.
Opener works from the Transmitter but not from the Wall Station.	Wall Station is not programmed. Weak or dead Wall Station battery.	See Activation and Programming section. See Maintenance section for battery replacement.
Door does not move and the Opener beeps two times.	The install routine has not been performed.	Perform the install routine.
Door does not move with a Wall Station or Transmitter command and no beeps come from the Opener.	Blown fuse or tripped circuit breaker. No power to the Opener.	Reset the circuit breaker or contact a qualified service person for fuse information. Check Power Cord connection.
Door does not move with a Wall Station or Transmitter and Opener beeps one time.	Possible loose Motor connection.	Check Motor plug connection.
Door stops or reverses, and the Opener beeps three or four times.	Obstruction encountered. Infrared Sensor misalignment (if applicable). Out-of-balance condition detected.	Clear the door path. Re-align Infrared Sensors Step 32. Run new Install Routine Steps 36 or 37.
Door does not close properly.	Counterbalance Cables are not on the Cable Drums properly.	Apply constant pressure to the Wall Station's Up/Down Button to close the door.
Door will not close.	Thermal delay: The door has cycled eight times in a five-minute period. Infrared Sensor misalignment (if applicable). Contact obstruction test failure.	Door will operate after a one-minute waiting period. Re-align Infrared Sensors Step 32. Apply constant pressure to Wall Station Up/Down Button until door is closed Repeat the install routine Steps 36 or 37 or contact a qualified service person.
Door does not travel to the full open or full close position.	Door is out of balance. Door limits are set improperly.	Call a qualified service person. Repeat the install routine Steps 36 or 37.
Door is not sealing to the floor.	Bottom door limit is set too high. Outside door seal is set too tightly against the face of the door.	Disconnect the Opener and force the door to the floor. Reconnect the Opener and activate the install routine Steps 36 or 37. Adjust weather seal position.
Motor does not pivot up fully when door is opening.	Counterbalance springs have too much tension (torsion).	Call a qualified service person. Install routine may have to be rerun. Steps 36 or 37.
Door is reversing at or near the floor.	Outside door seal is too tight against the face of the door. Counterbalance springs have too much tension (torsion). Vertical Track is spaced too close to the bottom door section, causing the door to bind.	Reinstall the door seal so as to be not so tight against the face of the door. Adjust Track away from the door until binding is removed. Contact a qualified service person.

Troubleshooting (Continued)

Symptom	Probable Cause	Corrective Action
Light fixture will not light during the door operation or by pressing the Wall Station light button.	Faulty light bulb. No power to receptacle. Opener not programmed to light.	Install new bulb (75W Max). Check circuit breakers. Program per Step 35.
Motor does not pull fully up when using the Emergency Disconnect.	Disconnect Cable has slipped inside of Handle.	Re-install Handle per instructions in Step 18.
Motor starts but the door will not move.	Opener is disconnected from the Torque Tube.	Ensure Disconnect Handle is in the Motor Operated Position. Re-install Handle per instructions in Step 18.
Motor does not pivot down. Motor pivots partially after the door closes.	Detent Pin is set too hard.	Using a Flat Tip Screwdriver, rotate the Detent Pin counter-clockwise in 1/8 turn increments until the Motor fully pivots down after the door closes see Steps 38.
Motor pivots down prematurely (before the door closes completely).	Detent Pin is set too soft.	Using a Flat Tip Screwdriver, rotate Detent Pin clockwise in 1/8 turn increments until Motor fully pivots down after door closes, and Opener immediately shuts off Steps 38.
Light Kit will work with light control but Wall Station will not move the door when Up/Down Button is pressed and the overhead light blinks three times.	Opener is in the vacation mode.	Move wall switch to the “Lock” position, wait 5 seconds return slide switch to “Normal” (Unlock) position to unlock vacation mode. Opener will emit one beep. Opener will now move the door. If not, try again. If Opener now emits two beeps when commanded then Opener needs to be profiled. See Opener profiling page 36 or 37.
Wall Station not operational.	Wall Station mounted incorrectly. Low battery.	Ensure Wall Station is mounted on a flat surface. Change battery see page 32.

Lock Arm Troubleshooting

Symptom	Probable Cause	Corrective Action
The door interferes with the Lock Arm when manually verifying clearance.	Lock Arm is set too far out. The Torque Tube is not level (Opener needs to be raised). The door top brackets and/or track configuration are not set correctly (Set top brackets higher). Motor not fully rotated up to Detent Pin engaged position.	Ensure the Lock Arm is mounted using the correct hole location stated in Step 39. Remount the Opener per Steps 14 and 15 , ensuring the Opener and Torque Tube are level prior to fastening. For new door and Opener installations, refer back to the instructions included with the door for top bracket and/or track configurations. For retro-fit installations on current doors, refer back to the section of this manual titled: Retro fit installation for idrive, for top bracket and/or track configurations. Remount the Disconnect Handle per Step 18, ensuring proper Cable tension between the Opener and the Handle.

LIFETIME LIMITED WARRANTY

Wayne-Dalton Corp. (The Manufacturer) warrants that the idrive® Garage Door Opener will be free from defects in materials and workmanship including electronic components for a period of **FIVE YEARS** from the date of installation, provided it is properly installed, maintained and cared for under specified use and service.

The Motor has an **EXTENDED LIFETIME LIMITED WARRANTY** against defects in materials and workmanship. Batteries are not warranted.

This Limited Warranty extends to the original homeowner, providing the garage door Opener is installed in his/her place of primary residence. It is not transferable. The Limited Warranty applies to residential property only and is not valid on commercial or rental property.

NO EMPLOYEE, DISTRIBUTOR, OR REPRESENTATIVE IS AUTHORIZED TO CHANGE THE FOREGOING WARRANTIES IN ANY WAY OR GRANT ANY OTHER WARRANTY ON BEHALF OF MANUFACTURER.

The Manufacturer shall not be responsible for any damage resulting to or caused by its products by reason of installation, improper storage, unauthorized service, alteration of products, neglect or abuse, any acts of nature beyond Manufacturer's control (such as, but not limited to, lightning, power surges, water damage, etc.), or attempt to use the products for other than the customary usage or for their intended purposes. The above Limited Warranty does not cover normal wear or any damage beyond Manufacturer's control or replacement labor. This Limited Warranty does not cover field replacement labor.

THIS WARRANTY COVERS A CONSUMER PRODUCT AS DEFINED BY THE MAGNUSON-MOSS WARRANTY ACT. NO WARRANTIES, EXPRESSED OR IMPLIED, (INCLUDING, BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), SHALL EXTEND BEYOND THE APPLICABLE TIME PERIOD STATED IN BOLD FACE TYPE ABOVE.

Claims for defects in material and workmanship covered by this Limited Warranty shall be made in writing, within the warranty period, to the dealer from whom the product was purchased. Manufacturer may either send a service representative or have the product returned to the Manufacturer at Buyer's expense for inspection. If judged by Manufacturer to be defective in material or workmanship, the product will be replaced or repaired at the option of the Manufacturer, free from all charges except authorized transportation and replacement labor. Replacement unit may be an equivalent model that has been factory refurbished. Remainder of original Limited Warranty period will apply to repair/replacement unit.

THE REMEDIES OF BUYER SET FORTH HEREIN ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER REMEDIES, THE LIABILITY OF MANUFACTURER, WHETHER IN CONTACT, TORT, UNDER ANY WARRANTY OR OTHERWISE, SHALL NOT EXTEND BEYOND ITS OBLIGATION TO REPAIR OR REPLACE, AT ITS OPTION, ANY PRODUCT OR PART FOUND BY MANUFACTURER TO BE DEFECTIVE IN MATERIAL OR WORK SHALL NOT BE RESPONSIBLE FOR ANY DIRECT, INDIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE.

This Limited Warranty gives you specific legal rights and you may have other rights, which may vary from state to state. However, some states do not allow limitation on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages so the above limitations or exclusions may not apply to you.

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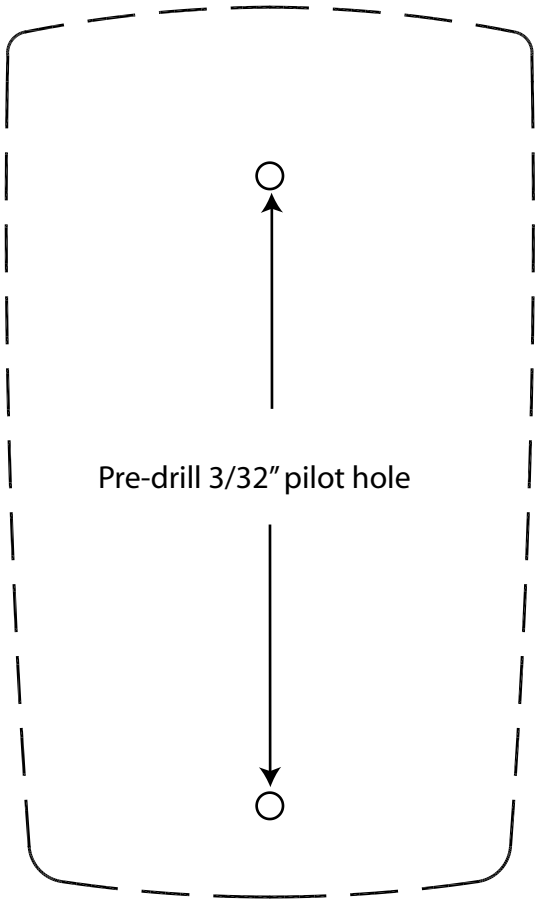
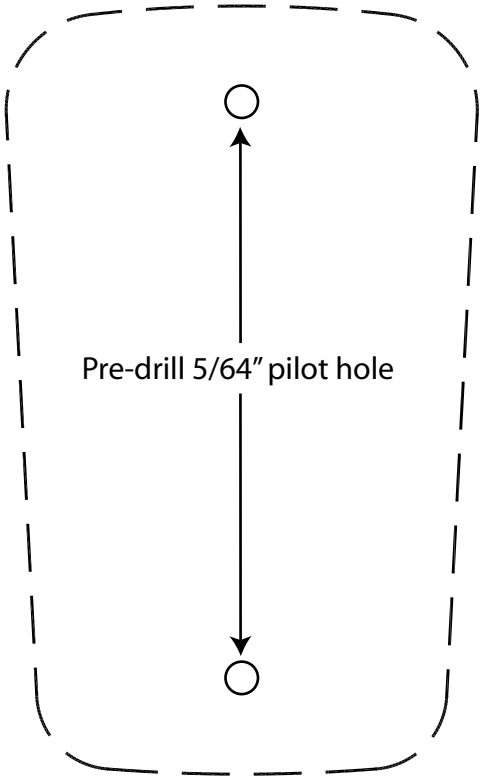
Cut-Out Template to Aid Installation



Wall Station Template



Keyless Entry Template

Patent Information

Models: 3726-372/ 3740-372/ 3760-372/ 3663-372

Covered under one or more of the following U.S. patents: 5,929,580/5,931,212/5,419,010/6,561,255/6,561,256/6,588,156/6,145,570/6,568,454/6,667,591/6,401,792/6,326,751/6,326,754/6,325,134/6,263,947/6,164,014/6,078,249/D474,215 / D473,573 / D473,574/D466,141/D413,055/D413,867/D413,579/D421,031/D472,568/D472,910/6,605,910

European Patent: 0925417 other U.S. and foreign patents pending

FCC and IC Statement

FCC Regulatory Information:
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC Regulatory Information:
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

NOTE: This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communication; however, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning equipment off and on, user is encouraged to try to correct interference by one or more of the following measures: Reorient or relocate receiving antenna. Increase separation between equipment and receiver. Connect equipment into an outlet on a circuit different from that which receiver is connected. Consult your dealer or/and experienced radio/television technician for help.

WARNING: Changes or modifications to this unit not expressly approved by party responsible for compliance could void user's authority to operate this equipment.